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Published by Pioneer Electronic Corporation.
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Printed in Japan
Impreso en Japón
<CRD2394-A> ES

<97D10F1T01>

Multi-CD/DSP control High power cassette player with FM/AM tuner

Reproductor de cassette de alta potencia con control múltiple de Multi-CD/DSP y sintonizador FM/AM

ENGLISH

ESPAÑOL

Master.

SUPER TUNER III

KEH-P8650
KEH-P8650-W

Operation Manual
Manual de Operación

PIONEER
The Art of Entertainment

Contents

Key Finder 3

Before Using This Product 4
- About This Product 4
- About This Manual 4
- Resetting the Microprocessor 5
- Precaution 5

Remote Controller and Care 6
- Using the Remote Controller 6
- Batteries 7

Basic Operation 8
- Switching Power ON/OFF 8

Tuner Operation 9
- Basic Operation of Tuner 9
- Entering the Function Menu 10
- Local Seek Tuning 11
- Preset Tuning 11
- BSM (Best Stations Memory) 11
- Preset Memory 12
- Recalling Preset Stations 12

Using the Cassette Player 13
- Basic Operation of Cassette Player 13
- Fast Forward/Rewind and Music Search 14
- Entering the Function Menu 15
- Dolby NR 16
- Blank Skip 16
- Radio Intercept and CD Intercept 17
- Repeat Playback 18
- Scan Playback 18

Cassette Player and Care 19
- Precaution 19
- Cleaning the Head 19

Using CD Player (one disc only) 20
- Basic Operation of CD Player 20
- Entering the Function Menu 21
- Entering the Detailed Setting Menu 21
- Pause 22
- Repeat Play 22
- Random Play 22
- Scan Play 23
- Disc Title Input 23

Using Multi-CD Players 24
- Basic Operation of Multi-CD Players 24
- Playing Discs on a 50-Disc Type Multi-CD Player 25
- Switching the Multi-CD Player 25
- Disc Number Search 26
- Entering the Function Menu 27
- Entering the Detailed Setting Menu 28
- Pause 28
- CD Sound Quality Adjustment 29
- Multi-CD Player Repeat Modes 30
- Multi-CD Player Random Play 31
- Multi-CD Player Scan Play 32
- ITS (Instant Track Selection) 33
- Erasing ITS Programs 35
- Disc Title Input 36
- Music Group Play (for 50-Disc type only) 39
- Frequency Play (for 50-Disc type only) 41
- Ejecting a Single Disc (for 50-Disc type only) 42

Audio Adjustment 43
- Entering the Audio Menu 43
- Balance Adjustment 44
- Bass/Middle/Treble Adjustment 45
- Loudness Adjustment 45
- Using a Sub-wooler 46
- Automatic Sound Levelizer (ASL) (for Hide-away DSP only) 47
- Using the F.I.E. Function 48
- Selecting the Display Pattern 48
- Source Level Adjustment (SLA) 49
- Volume Attenuator 49

Detaching and Replacing the Front Panel 50
- Theft Protection 50

Initial Setting 52
- Entering the Initial Setting Menu 52
- Changing the FM Tuning Step 53
- Changing the AM Tuning Step 53
- Setting the Warning Tone 54
- Switching the AUX Mode 54
- Setting the Dimmer 55

DFS Alarm Function 56
- Activating the DFS Alarm Feature 56
- Setting Entry Delay Time 57
- Activating Internal Speaker ON/OFF 57
- Setting the Selectable Output (Pulse/Constant) 59
- Selecting Door Switching Systems 59
- Ignition Key Disarm 61
- Central Door Lock Systems 62
- Operation of "DFS Alarm" 63
- Arming Alarm 63
- Disarming Alarm 64
- Entry Detection 64

Using the Digital Signal Processor (DSP) 65
- Digital Signal Processor (DSP) 65
- Entering the DSP Menu 67
- Sound Field Control (SFC) Function 68
- Parametric Equalizer Function 70
- Adjusting the Equalizer Curves 72
- Parametric Bass/Treble Function 75
- Storing the Equalizer Curve 76
- Listening Position Selector (POSI) Function 77

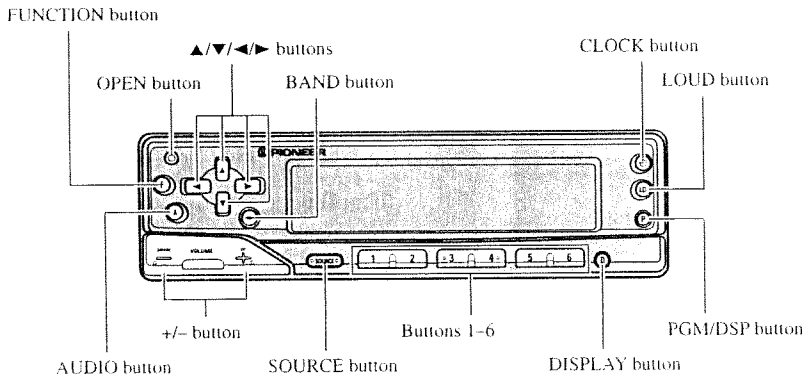
Other Functions 78
- Time Display/Setting 78
- Using the PGM/DSP Button 79
- Using the AUX Mode 81
- Cellular Telephone Muting 81

Specifications 82

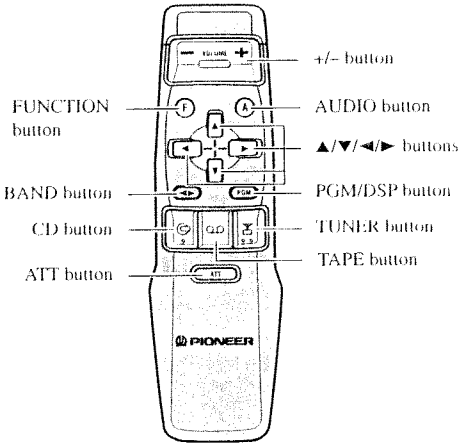
ENGLISH

Key Finder

■ Head Unit



■ Remote Controller



Before Using This Product

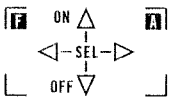
About This Product

This product's display features Key Guidance Indicators. These light to indicate which of the ▲/▼/◄/►, FUNCTION and AUDIO buttons you can use. When you're in the Function Menu or Audio Adjustment Menu, they also make it easy to see which ▲/▼/◄/► buttons you can use to switch functions ON/OFF, switch repeat selections, and perform other operations.

Indicator and corresponding buttons are shown below.

Indicator	Button
F	FUNCTION
A	AUDIO
△	▲
▽	▼
◁◁, ◁	◄
▷▷, ▷	►

Key Guidance Indicators



Note:

- When "ON" and "OFF" are lit, you can switch the currently selected function ON/OFF with the ▲/▼ buttons.
- When "SEL" is lit, you can use the ◄/► buttons to switch selection options of the currently selected function.

About This Manual

This product features a number of sophisticated functions ensuring superior reception and operation. All are designed for the easiest possible use, but many are not self-explanatory. This operation manual is intended to help you benefit fully from their potential and to maximize your listening enjoyment.

We recommend that you familiarize yourself with the functions and their operation by reading through the manual before you begin using this product. It is especially important that you read and observe the "Precaution" on next page and in other sections.

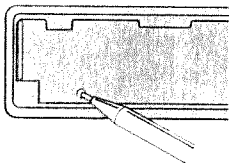
In this Operation Manual, the Basic Operation for each sound source is outlined at the beginning of its explanation, covering simple operation for that source, such as merely playing music.

Before Using This Product

Resetting the Microprocessor

The microprocessor must be reset under the following conditions:
When using this product for the first time after installation.
When the machine fails to operate properly.
When strange (incorrect) messages appear on the display.

- **To reset the microprocessor, remove the front panel as described on page 50 and press the RESET button on the head unit with a pen tip or other pointed instrument.**



Precaution

- Keep this manual handy as a reference for operating procedures and precautions.
- Always keep the volume low enough for outside sounds to be audible.
- Protect the product from moisture.
- If the battery is disconnected, the preset memory will be erased and must be reprogrammed.
- Should this product fail to operate properly, contact your dealer or nearest authorized Pioneer Service Station.

Remote Controller and Care

Using the Remote Controller

This product is equipped with a remote controller for convenient operation.
- Point the controller in the direction of the front panel to operate.
- When the controller is not in use, attach it firmly to the provided Mounting base.

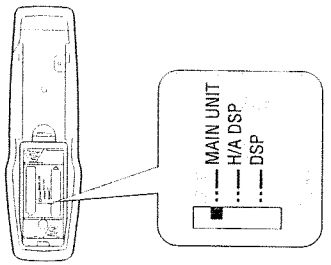
Precaution:
- Do not store the remote controller in high temperatures or direct sunlight.
- The controller may not function properly in direct sunlight.
- Do not let the remote controller fall onto the floor, where it may become jammed under the brake or accelerator pedal.

About the Switch

When the DSP (included Hide-away DSP "DEQ-P800") is connected to this product, switch the remote controller to the DSP (or H/A DSP) position. This product will not work properly if the switch is not in the correct position.

Note:
- Remote controller has a switch inside the cover on the back.

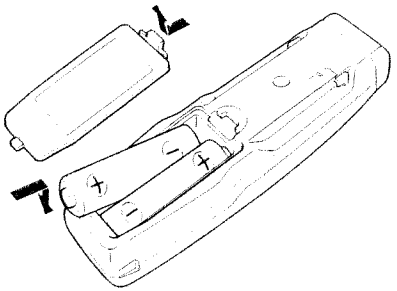
Position	Connected DSP type
MAIN UNIT	None
H/A DSP	Hide-away DSP "DEQ-P800"
DSP	DSP except the Hide-away DSP "DEQ-P800"



Remote Controller and Care

Batteries

- **Remove the cover on the back of the remote controller and insert the batteries with the (+) and (–) poles pointing in the proper direction.**



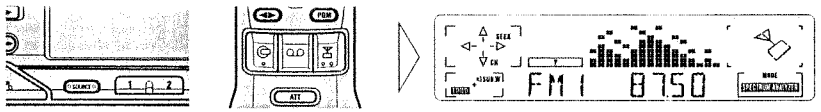
Precaution:

- Use only AAA or IEC R03 1.5 V batteries.
- Remove the batteries if the remote controller is not used for a month or longer.
- Do not attempt to recharge the supplied batteries.
- Do not mix new and used batteries.
- If the event of battery leakage, wipe the remote controller completely clean and install new batteries.

Basic Operation

Switching Power ON/OFF

- **Select the desired source (such as the tuner).**



Head Unit

Each press of the SOURCE button selects the desired source in the following order:
CD player (one disc only) → Tuner → Tape → Multi-CD player → AUX

To switch the sources OFF, hold down the SOURCE button for 1 second or more.

Remote Controller

Each press of the button selects the desired source in the following order:
TUNER button : Tuner → OFF
TAPE button : Tape → OFF
CD button : CD player (one disc only) → Multi-CD player → OFF

Note:

- In the following cases, the sound source will not change:
  - * No Multi-CD player is connected to this product.
  - * No CD player is connected to this product.
  - * No cassette tape is set in this product.
  - * No magazine is set in the Multi-CD player.
  - * No disc is set in the CD player.
  - * AUX (external input) is set to OFF. (See page 54.)

Reset the AM tuning step from 9 kHz (the factory preset step) to 10 kHz when using the tuner in North, Central or South America. (See page 53.)

Basic Operation of Tuner

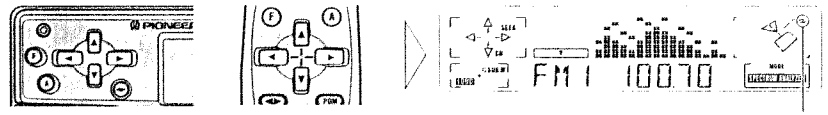
1. **Select Tuner.**

Each press changes the Source ...

2. **Select the desired band.**

FM1 → FM2 → FM3 → AM

3. **Tune the receiver to a higher or lower frequency.**



"ST" indicator

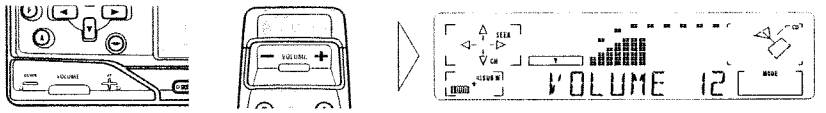
This product's tuner lets you select the tuning by changing the length of the time you press the button.

Manual Tuning (step by step)	0.3 seconds or less
Seek Tuning (automatically)	0.3 – 2 seconds
Manual Tuning (continuously)	2 seconds or more

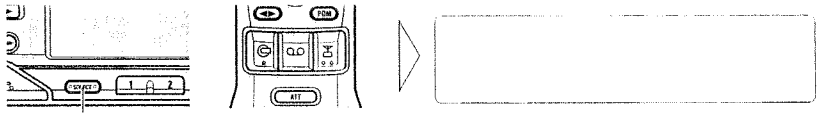
Note:

- "ST" indicator lights when a stereo station is selected.
- To select a weak broadcasting station that cannot be tuned in with the Seek Tuning function, tune in with Manual Tuning.

4. **Raise or lower the volume.**



5. **Turn the source OFF.**

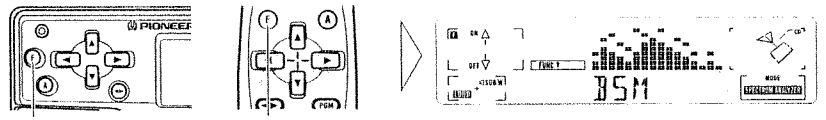


Hold for 1 second

Entering the Function Menu

In this menu you can select tuner functions.

- **Select the desired mode in the Function Menu.**



Each press changes the Mode ...

Each press changes the Mode ...

Each press of the FUNCTION button selects the mode in the following order:
BSM → LOCAL

To cancel the Function Menu, press the BAND button.

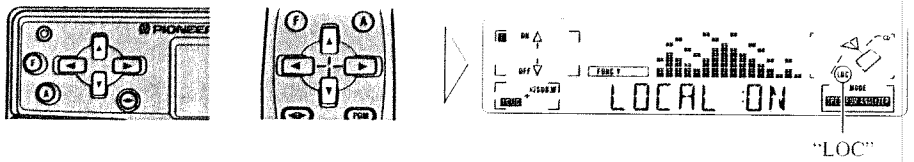
Note:

- After entering the Function Menu, if you do not perform an operation within about 30 seconds, the Function Menu is automatically canceled.

Local Seek Tuning

This mode selects only stations with especially strong signals.

1. **Select the Local mode (LOCAL) in the Function Menu.**
2. **Switch the Local mode ON or OFF.**



To cancel the Function Menu, press the BAND button.

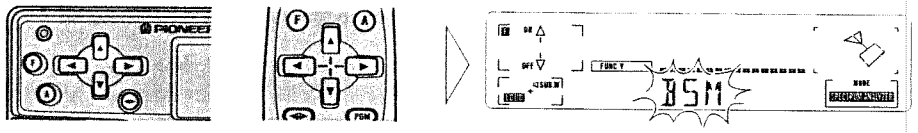
Preset Tuning

Up to 18 FM stations (6 in FM1, FM2 and FM3) and 6 AM stations can be stored in memory.
Store the stations in memory under buttons 1–6 beforehand with the BSM (Best Stations Memory) or Preset Memory function.

BSM (Best Stations Memory)

The BSM function stores stations in memory automatically.

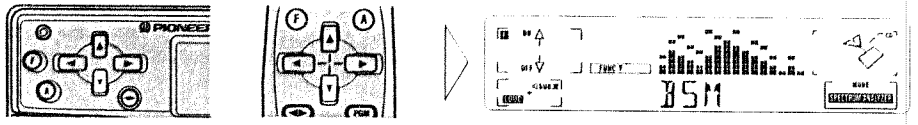
1. **Select the BSM mode (BSM) in the Function Menu.**
2. **Switch the BSM mode ON.**



The stations with the strongest signals will be stored under buttons 1–6 and in order of their signal strength.

To cancel the Function Menu, press the BAND button.

- **To cancel the process, press the ▼ button in the Function Menu before memorization is complete.**



Preset Memory

The Preset Memory function stores stations in memory manually.

1. **Select the station whose frequency you want to store in memory.**
2. **Press one of buttons 1–6 for 2 seconds or longer to store the desired stations. (eg. Press button 4.)**

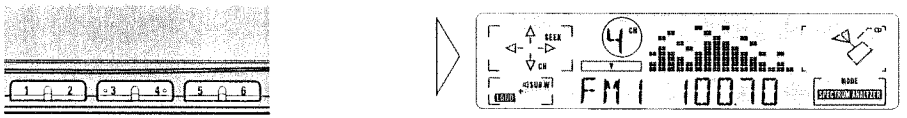
The station is stored in memory under the selected button.

Recalling Preset Stations

There are two ways to recall preset stations.

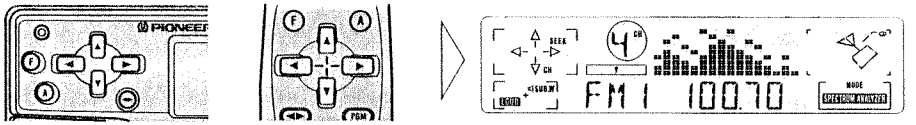
■ Direct Recall

- **Press one of buttons 1–6 to recall a station preset under that button. (eg. Press button 4.)**



■ Sequential Recall

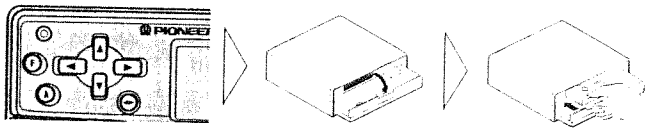
- **Recall a station preset under button 1–6.**



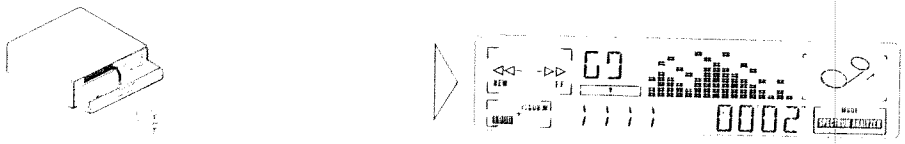
ENGLISH

Basic Operation of Cassette Player

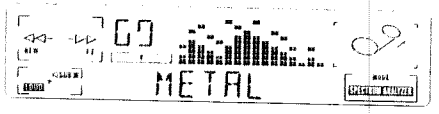
1. Open the front panel and insert the cassette tape.



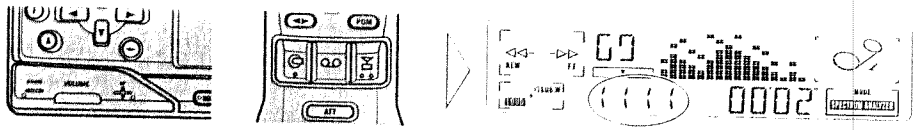
2. Close the front panel by swinging it gently upward.



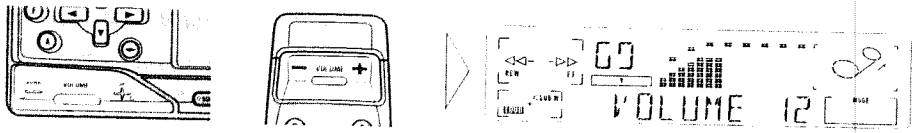
"METAL" appears on the display for 2 seconds when a metal or chrome tape is inserted. Nothing is displayed for a normal tape.



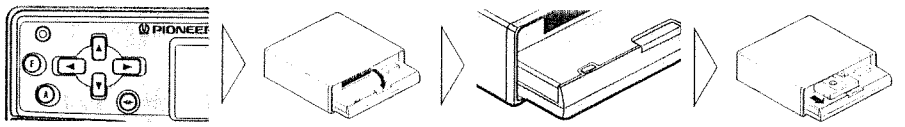
3. Switch tape playback from side A to side B, or vice versa.



4. Raise or lower the volume.



5. Open the front panel and remove the cassette tape.



Be sure to close the front panel after removing the cassette tape.

Note:

- The Tape function can only be turned ON/OFF with the cassette tape remaining in this product. (See page 8.)

■ Continuous Playback Time

During tape playback, the continuous playback time is displayed.

- The continuous playback time count starts at 00'00" at the following times.
  - * When a tape is inserted.
  - * When the tape direction is changed.
  - * When you rewind the tape side currently playing back to the beginning.
- The continuous playback time count is halted at the following times.
  - * When the power is turned OFF.
  - * When you switch to another source.
  - * When fast-forwarding/rewinding and while the Music Search function is operating.

Fast Forward/Rewind and Music Search

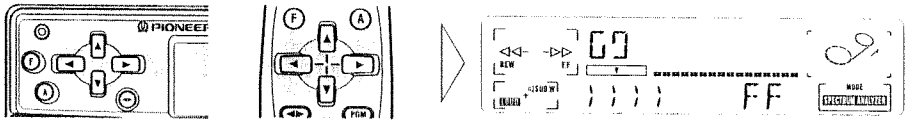
■ Fast Forward and Forward-Music Search

While "FF" is displayed, the system fast-forwards the cassette tape to the end of the current side.

While "F-MS" is displayed, the system winds the cassette tape forward to the beginning of the next song, then play begins from that point.

- **Select the desired mode in the following order:**

FF → F-MS → Normal playback



Note:

- Fast Forward (FF) and Forward-Music Search (F-MS) can be canceled by pressing the BAND button during FF or F-MS operation.

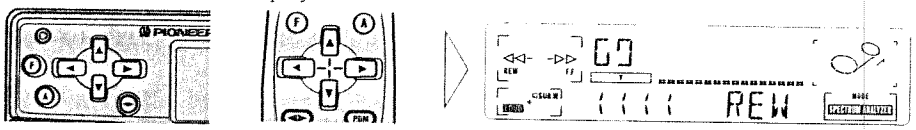
■ Rewind and Rewind-Music Search

While "REW" is displayed, the system rewinds the cassette tape to the beginning of the current side.

While "R-MS" is displayed, the system rewinds the cassette tape to the beginning of the current song, then play begins from that point.

- **Select the desired mode in the following order:**

REW → R-MS → Normal playback



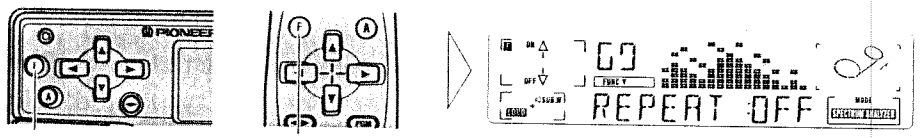
Note:

- Rewind (REW) and Rewind-Music Search (R-MS) can be canceled by pressing the BAND button during the REW or R-MS operation.

Entering the Function Menu

In this menu you can select Tape functions.

- **Select the desired mode in the Function Menu.**



Each press changes the Mode ...

Each press changes the Mode ...

Each press of the FUNCTION button selects the mode in the following order:

REPEAT → SCAN → B-SKIP → RI/CDI → NR

To cancel the Function Menu, press the BAND button.

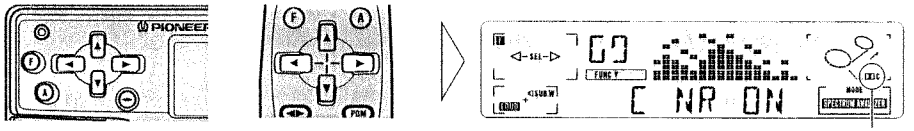
Note:

- After entering the Function Menu, if you do not perform an operation within about 30 seconds, the Function Menu is automatically canceled.

Dolby NR

When playing back a cassette tape recorded with Dolby NR, switch to the same type of Dolby NR as used when making the recording.

1. **Select the Dolby NR switching mode (NR OFF) in the Function Menu.**
2. **Select the Dolby NR type in the following order:**



"DD C"

Dolby NR OFF (NR OFF) ⟷ Dolby B NR (B NR ON) ⟷ Dolby C NR (C NR ON)

"DD B" appears when you switch to Dolby B NR mode.
"DD C" appears when you switch to Dolby C NR mode.

To cancel the Function Menu, press the BAND button.

Note:

- Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
  "DOLBY" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

Blank Skip

This function fast-forwards to the next song automatically if there is a long period of silence (12 seconds or longer) between songs.

1. **Select the Blank Skip mode (B-SKIP) in the Function Menu.**
2. **Switch the Blank Skip mode ON or OFF.**

To cancel the Function Menu, press the BAND button.

Radio Intercept and CD Intercept

■ Radio Intercept (RI)

This function allows you to listen to the radio during tape fast-forwarding/rewinding.

■ CD Intercept (CDI)

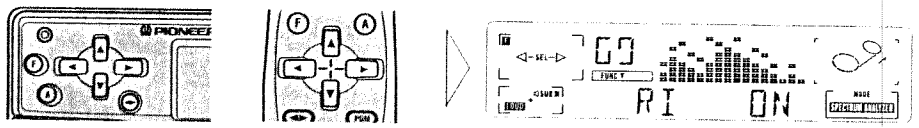
This function only works when an optional multi-CD player or CD player (one disc only) is used with this product.
This function allows you to listen to the CD during tape fast-forwarding/rewinding.

■ Changing the Intercept mode

1. **Select the Radio/CD Intercept switching mode (RI/CDI OFF)* in the Function Menu.**

* "RI OFF" is displayed when an optional multi-CD player or CD player (one disc only) is not connected to this product.

2. **Select the desired intercept mode in the following order:**



Intercept OFF (RI/CDI OFF)* ⟷ Radio Intercept (RI ON) ⟷ CD Intercept (CDI ON)*

* "CDI" is not displayed and you cannot select CD Intercept mode, when an optional multi-CD player or CD player (one disc only) is not connected to this product.

To cancel the Function Menu, press the BAND button.

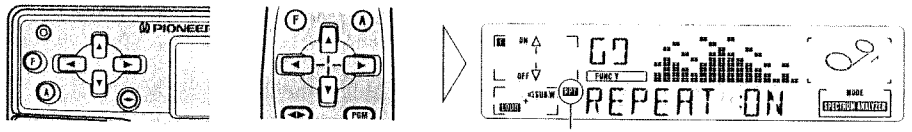
Note:

- The radio intercept and CD intercept functions do not work during a Music Search operation.

Repeat Playback

The repeat function lets you hear the same song over again.

1. **Select the Repeat mode (REPEAT) in the Function Menu.**
2. **Switch the Repeat mode ON or OFF.**



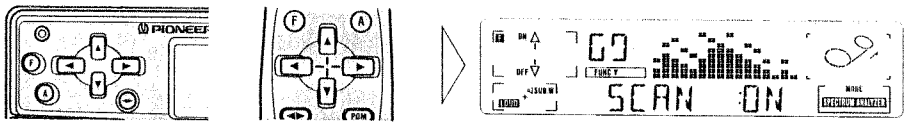
"RPT"

To cancel the Function Menu, press the BAND button.

Scan Playback

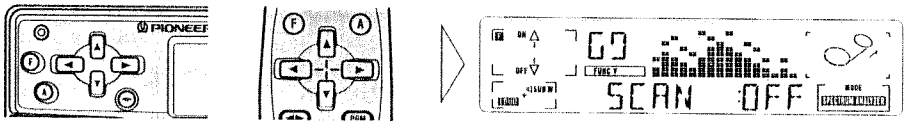
This function plays approximately the first 10 seconds of each song in succession. This is useful for finding a particular song you want to hear.

1. **Select the Scan mode (SCAN) in the Function Menu.**
2. **Switch Scan Play ON.**



3. **When you hear the song you are looking for, cancel Scan Play.**

If the Function Menu has been canceled automatically, select the Scan mode in the Function Menu again.



To cancel the Function Menu, press the BAND button.

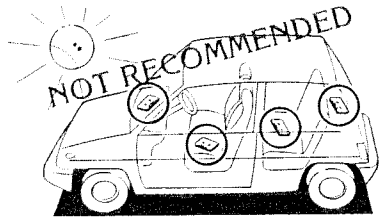
Precaution

■ About the Cassette Player

- A loose or warped label on a cassette tape may interfere with the eject mechanism of the unit or cause the cassette to become jammed in the unit. Avoid using such tapes or remove such labels from the cassette before attempting use.
- The music search, scan playback and repeat functions may not work properly with the following kinds of recorded tapes because the gap between songs cannot be found correctly.
  * A tape with a gap of 4 seconds or less between songs.
  * A tape containing dialog, etc., with pauses lasting for 4 seconds or longer.
  * A tape with an extremely quiet passage in the music lasting for 4 seconds or longer.

■ About Cassette Tapes

- Do not use tapes longer than C-90 type (90 min.) cassettes. Longer tapes can interfere with tape transport.
- Storing cassettes in areas directly exposed to sunlight or high temperatures can distort them and subsequently interfere with tape transport.



- Store unused tapes in a tape case where there is no danger of them becoming loose or being exposed to dust.

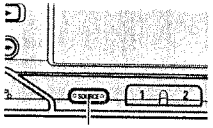
Cleaning the Head

If the head becomes dirty, the sound quality will deteriorate and there will be sound dropouts and other imperfections in performance. In this case, the head must be cleaned.

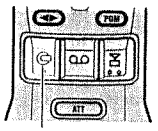
This product can control a CD player (one disc only).

Basic Operation of CD Player

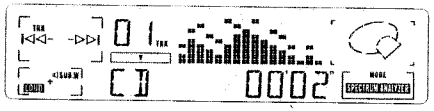
1. Select the CD player source.



Each press changes the Source ...



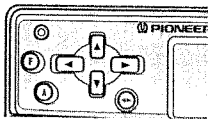
Each press changes the Source ...

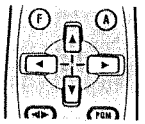


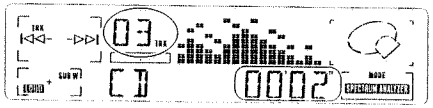
Note:

- The CD player is selected only when a CD is loaded.
- If the CD player cannot operate properly, an error message such as "ERROR-14" is displayed. Refer to the CD player owner's manual.

2. Select the desired track (or fast-forward/reverse, per the chart below).



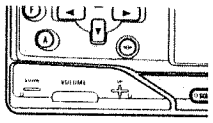


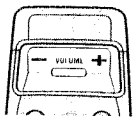


This product lets you select the track search function or fast-forward/reverse function by changing the length of the time you press the button.

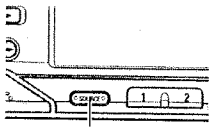
Track search	0.5 seconds or less
Fast-forward/Reverse	Continue pressing

3. Raise or lower the volume.

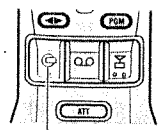




4. Turn the source OFF.



Hold for 1 second

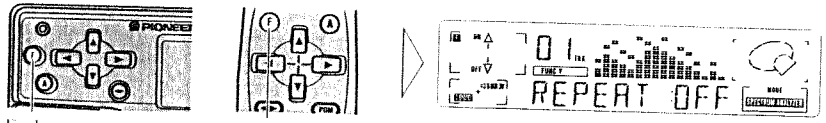


Each press changes the Source ...

Entering the Function Menu

In this menu you can select CD player functions.

- **Select the desired mode in the Function Menu.**



Each press changes the Mode ...

Each press changes the Mode ...

Each press of the FUNCTION button selects the mode in the following order:

REPEAT → RANDOM → T.SCAN → PAUSE

To cancel the Function Menu, press the BAND button.

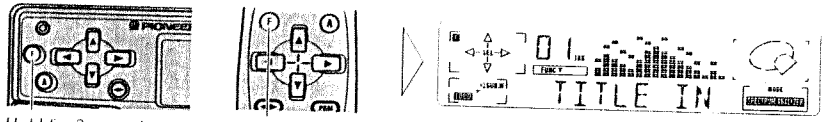
Note:

- After entering the Function Menu, if you do not perform an operation within about 30 seconds, the Function Menu is automatically canceled.

Entering the Detailed Setting Menu

In this menu you can perform Disc Title Input and PGM/DSP button settings.

- **Enter the Detailed Setting Menu.**



Hold for 2 seconds

Hold for 2 seconds

Each press of the FUNCTION button selects the mode in the following order:

TITLE IN* → PGM-FUNC**

* If a Multi-CD Player is not connected, "TITLE IN" is not displayed, and Disc Title Input is not possible.

** You cannot select the "PGM-FUNC" mode when the Hide-away DSP "DEQ-P800" is connected to this product. See the "Using the PGM/DSP Button" on page 79 about this function.

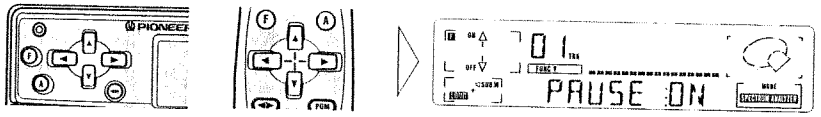
To cancel the Detailed Setting Menu, press the BAND button.

Note:

- You can cancel the Detailed Setting Menu by pressing the FUNCTION button again for 2 seconds or more.

Pause

1. **Select the Pause mode (PAUSE) in the Function Menu.**
2. **Stop playback temporarily or restarts the system.**

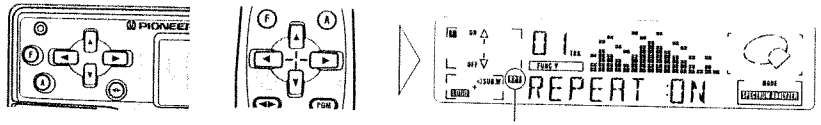


To cancel the Function Menu, press the BAND button.

Repeat Play

The CD player offers two repeat modes: Disc Repeat (normal play), the default mode, and One-track Repeat.

1. **Select the Repeat mode (REPEAT) in the Function Menu.**
2. **Switch the One-track Repeat mode ON or OFF.**



"RPT"

To cancel the Function Menu, press the BAND button.

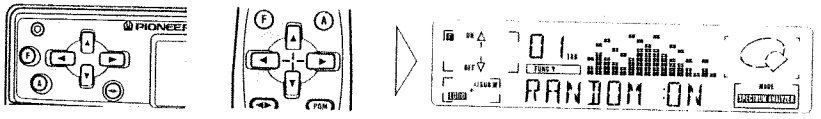
Note:

- When Track Search or fast-forward/reverse is performed, the mode returns to the default Disc Repeat mode (normal play).

Random Play

The Random Play mode plays the tracks on a CD in random order for variety.

1. **Select the Random mode (RANDOM) in the Function Menu.**
2. **Switch the Random Play ON or OFF.**



To cancel the Function Menu, press the BAND button.

Note:

- Since playback is random, the same track may be repeated consecutively.

Using CD Player (one disc only)

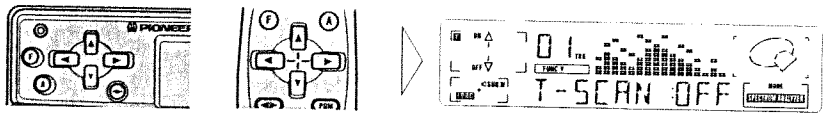
Scan Play

Scan Play plays the first 10 seconds or so of each track on a CD in succession.

1. **Select the Scan mode (T-SCAN) in the Function Menu.**
2. **Switch Scan Play ON.**

3. **When you hear the track you are looking for, cancel Scan Play.**

If the Function Menu has been canceled automatically, select the Scan mode in the Function Menu again.



Playback of the current track will continue.

To cancel the Function Menu, press the BAND button.

Note:

- Scan Play is canceled automatically after all the tracks on a disc have been scanned.

Disc Title Input

The CD player's Disc Title Input function is possible for up to 100 discs when one or more multi-CD players are installed.

1. **Play the disc you wish to input the disc title.**
2. **Select the Disc Title Input mode (TITLE IN) in the Detailed Setting Menu.**
3. **Input the Disc Title.**

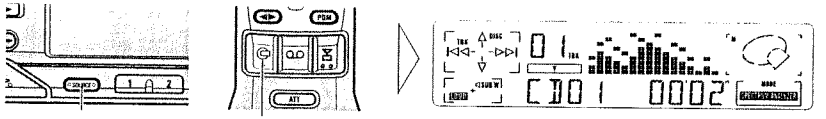
Refer to "Disc Title Input" on page 36, and perform procedures 3 to 5 in the same way.

Using Multi-CD Players

This product can control one or more multi-CD players.

Basic Operation of Multi-CD Players

1. **Select the multi-CD player source.**



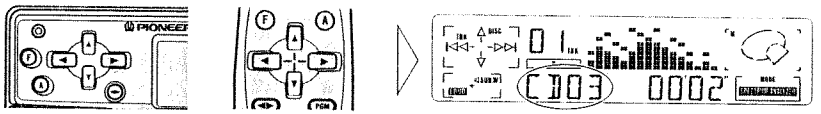
Each press changes the Source ...

Each press changes the Source ...

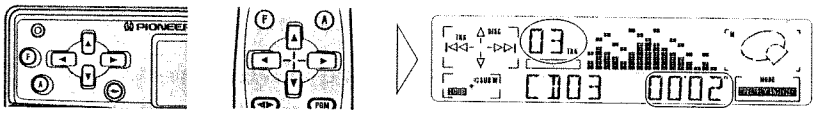
Note:

- The multi-CD player may perform a preparatory operation, such as verifying the presence of a disc or reading disc information, when the power is turned ON or a new disc is selected for playback. "READY" is displayed.
- If the multi-CD player cannot operate properly, an error message such as "ERROR-14" is displayed. Refer to the multi-CD player owner's manual.
- If there are no discs in the multi-CD player magazine, "NO DISC" is displayed.

2. **Select the desired disc.**



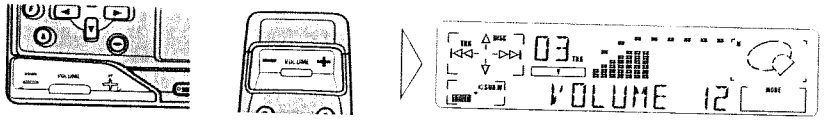
3. **Select the desired track (or fast-forward/reverse, per the chart below).**



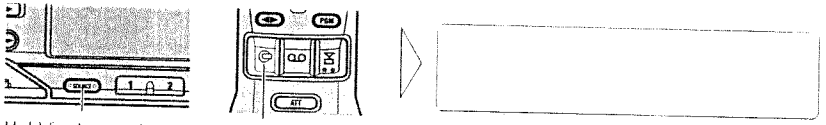
This product lets you select the track search function or fast-forward/reverse function by changing the length of the time you press the button.

Track search	0.5 seconds or less
Fast-forward/Reverse	Continue pressing

4. **Raise or lower the volume.**



5. **Turn the source OFF.**



Hold for 1 second

Each press changes the Source ...

Playing Discs on a 50-Disc Type Multi-CD Player

When a magazine is loaded into a 50-Disc type multi-CD player, information on all the discs in the magazine is read.

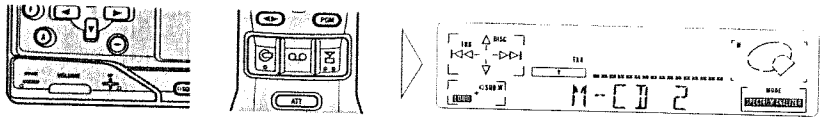
If you start playing a disc on a 50-Disc type multi-CD player before reading of information on all discs has been completed, reading of information stops part way through. This will prevent you from using a number of functions. (If you try and use these functions, "NOT READY" is displayed.)

If this happens, reading of information begins again when you switch to a component other than 50-Disc type multi-CD player.

Switching the Multi-CD Player

It is possible to connect up to three multi-CD players by means of a multiple installation adapter. When two or more multi-CD players are installed, their priorities must be specified. Follow the multi-CD player instructions carefully, and set the address switches properly.

- **Select the multi-CD player you want to use.**



M-CD 1 → M-CD 2 → M-CD 3

Disc Number Search

■ Disc Number Search (for 6-Disc, 12-Disc types)

You can select discs directly with the 1 to 6 buttons. Just press the number corresponding to the disc you want to listen to.

Note:

- When a 12-Disc Multi-CD Player is connected and you want to select disc 7 to 12, press the 1 to 6 buttons for 2 seconds or longer.

- **Select the desired disc. (eg. Press button 3.)**

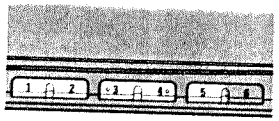
■ Disc Number Rough Search (for 50-Disc type only)

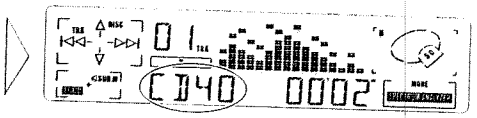
This handy function lets you select discs loaded in a 50-Disc Multi-CD Player using the 1 to 5 buttons. The 50 discs are divided into five blocks, with each of the 1 to 5 buttons assigned to a block.
For example, if you press button 1, discs 10 through 19 are searched in order, and then the disc with the lowest disc number is selected.

Note:

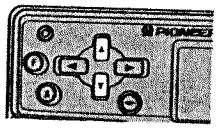
- Pressing button 5 lets you select the 50th disc only.
- Button 6 does not operate.
- Rough search of discs 1 to 9 is not possible. Use the ▲/▼ buttons to select a desired disc.
- "LOAD" will be displayed in the following cases:
  - If the disc in the extra tray is selected.
  - If the disc is moved from the extra tray to the magazine. (Refer to the 50-Disc type multi-CD player's owner's manual.)

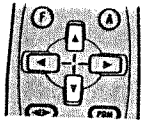
1. **Press the appropriate button from 1 to 5 to select the block containing the desired disc. (eg. Press button 4.)**

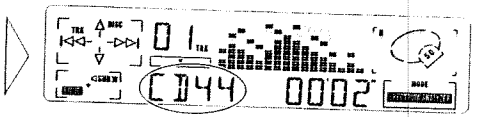




2. **Select the desired disc.**



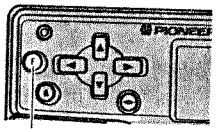




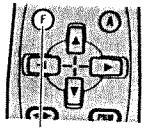
Entering the Function Menu

In this menu you can select Multi-CD Player functions.

- **Select the desired mode in the Function Menu.**



Each press changes the Mode ...



Each press changes the Mode ...

Each press of the FUNCTION button selects the mode in the following order:

REPEAT → TITLE LIST → ABC SEARCH* → RANDOM → SCAN → ITS-P → MG-P* → FREQ-P* → PAUSE → COMP

* ABC SEARCH, MG-P and FREQ-P are 50-Disc type multi-CD player functions. You cannot switch to these modes when using 6-Disc and 12-Disc type multi-CD players.

To cancel the Function Menu, press the BAND button.

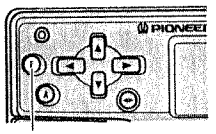
Note:

- With multi-CD players that do not feature COMP (Compression) and DBE (Dynamic Bass Emphasis) functions, "NO COMP" is displayed if you switch to the COMP mode.
- After entering the Function Menu, if you do not perform an operation within about 30 seconds, the Function Menu is automatically canceled.

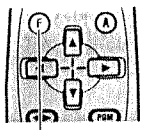
Entering the Detailed Setting Menu

In this menu you can perform Disc Title Input, and ITS Program and PGM/DSP button settings.

- **Enter the Detailed Setting Menu.**



Hold for 2 seconds



Hold for 2 seconds

Each press of the FUNCTION button selects the mode in the following order:

TITLE IN → ITS → MG IN* → PGM-FUNC**

* MG IN is a 50-Disc type multi-CD player function. You cannot switch to this mode when using 6-Disc and 12-Disc type multi-CD players.

** You cannot select the "PGM-FUNC" mode when the Hide-away DSP "DEQ-P800" is connected to this product. See the "Using the PGM/DSP Button" on page 79 about this function.

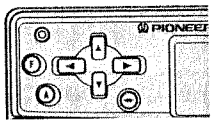
To cancel the Detailed Setting Menu, press the BAND button.

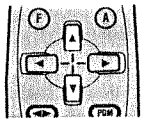
Note:

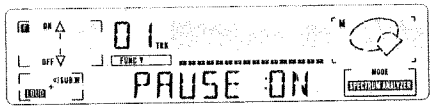
- You can cancel the Detailed Setting Menu by pressing the FUNCTION button again for 2 seconds or more.

Pause

1. **Select the Pause mode (PAUSE) in the Function Menu.**
2. **Stop playback temporarily or restarts the system.**







To cancel the Function Menu, press the BAND button.

CD Sound Quality Adjustment

COMP (compression) and DBE (dynamic bass emphasis) functions are available to adjust the sound quality of your multi-CD player. Each can be adjusted in two levels, but they cannot be used together.
COMP and DBE can also be used with another multi-CD player which is equipped with these functions. If it is not so equipped, "NO COMP" is displayed when COMP/DBE switching is attempted.

■ COMP

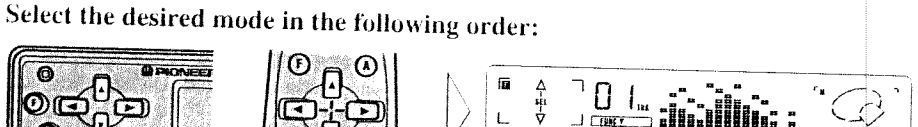
The COMP (compression) function eliminates distortions caused by imbalances between loud and subdued sounds at higher volumes.

■ DBE

DBE (dynamic bass emphasis) boosts bass levels to give fuller sounds.

■ COMP/DBE ON/OFF Switching

1. **Select the COMP/DBE switching mode (COMP OFF) in the Function Menu.**
2. **Select the desired mode in the following order:**



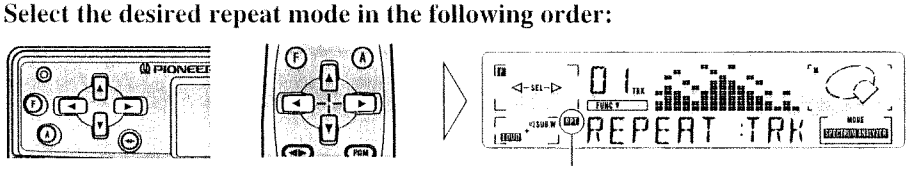
COMP OFF → COMP 1 → COMP 2 → COMP OFF → DBE 1 → DBE 2

To cancel the Function Menu, press the BAND button.

Multi-CD Player Repeat Modes

Multi-CD players offer four repeat modes: One-track Repeat, Disc Repeat, Multi-CD player Repeat and All Repeat. Multi-CD player Repeat is the default mode (normal play) when one or more multi-CD players is installed.

1. **Select the Repeat Selecting mode (REPEAT) in the Function Menu.**
2. **Select the desired repeat mode in the following order:**



Multi-CD player Repeat ("MCD" is displayed) → ALL Repeat ("ALL" is displayed) → One-track Repeat ("TRK" is displayed and "RPT" indicator lights) → Disc Repeat ("DSC" is displayed and "DISC" indicator lights)

To cancel the Function Menu, press the BAND button.

Note:
- All Repeat is available only when two or more multi-CD players are installed.

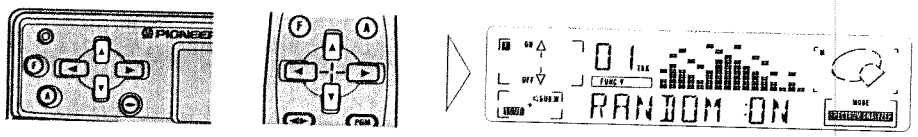
■ Multi-CD player repeat modes

Mode	Operation
One-track Repeat	Plays current track repeatedly. • When Track Search or fast forward/reverse is performed, the mode returns to the Disc Repeat mode. • When a different disc or multi-CD player is selected, the mode switches to the Multi-CD player Repeat mode.
Disc Repeat	Plays current disc repeatedly. • When a different disc or multi-CD player is selected, the mode switches to the Multi-CD player Repeat mode.
Multi-CD player Repeat (normal play)	Plays all discs loaded in the multi-CD player magazine repeatedly in order, starting with the first disc.
All Repeat	Plays all discs in the magazines of all multi-CD players in order.

ENGLISH

Multi-CD Player Random Play

1. **Select the Random mode (RANDOM) in the Function Menu.**
2. **Switch the Random Play ON or OFF.**



When Multi-CD Player Random Play is ON, you can combine it with Repeat Mode to operate as shown below. Switching the Repeat Mode switches Random Play OFF.

To cancel the Function Menu, press the BAND button.

Note:

- Since playback is random, the same track may be repeated consecutively.

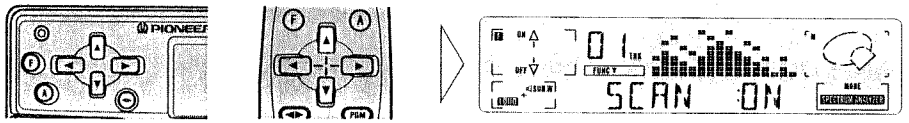
■ Multi-CD player Random Play options

Mode	Operation
One-track Repeat	The mode returns to the Disc Repeat mode, and all tracks on the current disc are played randomly.
Disc Repeat "RDM:DSC"	All tracks on the current disc are played randomly.
Multi-CD player Repeat "RDM:MCD"	All tracks on the discs in the multi-CD player magazine are played randomly.
All Repeat "RDM:ALL"	All tracks on the discs in all the multi-CD players are played randomly.

Multi-CD Player Scan Play

When one or more multi-CD players are installed, the first 10 seconds or so of each track on a disc are scanned in the One-track Repeat and Disc Repeat modes and the first tracks of each disc in the multi-CD player Repeat and All Repeat modes.

1. **Select the Scan mode (SCAN) in the Function Menu.**
2. **Switch the Scan Play ON.**



When multi-CD player Scan Play is switched ON and combined with the Repeat Mode, it operates as shown in the following chart. If the Repeat Mode is switched, Scan Play switches OFF.

3. **When you hear the track you are looking for, cancel Scan Play.**

If the Function Menu has been canceled automatically, select the Scan mode in the Function Menu again.

Playback of the current track or disc will continue.

To cancel the Function Menu, press the BAND button.

Note:

- Scan Play is canceled automatically after all the tracks or discs have been scanned.

■ Multi-CD player Scan Play options

Mode	Operation
One-track Repeat	The mode returns to the Disc Repeat mode, and all tracks on the current disc are scanned.
Disc Repeat "SCN:DSC"	All tracks on the current disc are scanned.
Multi-CD player Repeat "SCN:MCD"	The first tracks of all the discs in the multi-CD player magazine are scanned.
All Repeat "SCN:ALL"	The first tracks of all the discs in the magazines of all the installed multi-CDs are scanned.

ENGLISH

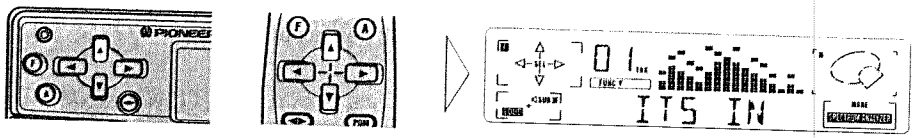
ITS (Instant Track Selection)

The ITS function allows you to search for the track you wish to play when one or more multi-CD players are installed. You can use ITS to program automatic playback of up to 24 tracks per disc from up to 100 discs. (You can store ITS program and Disc Title data for up to 100 discs in memory. With a 50-Disc type multi-CD player, you can also store Music Group data.)

■ ITS Programming

ITS programming can be conducted in any multi-CD player playback mode except ITS playback.

1. **Play the track you wish to program.**
2. **Select the ITS Programming mode (ITS) in the Detailed Setting Menu.**
3. **Program the desired track.**



To cancel the Detailed Setting Menu, press the BAND button.

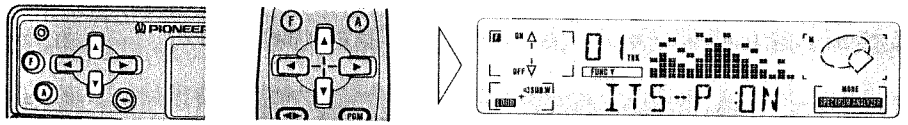
Note:

- After 100 discs have been programmed, data for a new disc will overwrite the data for the disc that has not been played back for the longest time.

■ ITS Playback

ITS playback can be performed in any repeat mode.

1. **Select the ITS Playback mode (ITS-P) in the Function Menu.**
2. **Switch the ITS Playback ON or OFF.**



When ITS Play is ON, you can combine it with Repeat Mode to operate as shown below. If you change Repeat Mode into One-track Repeat, ITS Play will be turned OFF.
The ITS programmed tracks are played back in order from first to last.

To cancel the Function Menu, press the BAND button.

Note:

- If no track in the current range is programmed for ITS playback, "ITS EMPTY" is displayed.

■ Multi-CD player ITS play

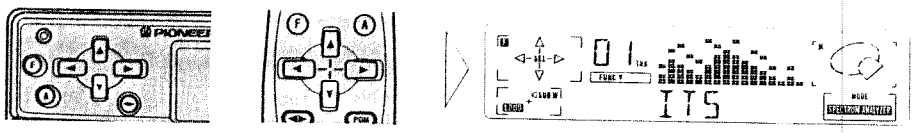
Mode	Operation
One-track Repeat	The mode returns to the Disc Repeat mode and all programmed tracks on the current disc are played.
Disc Repeat "ITS:DSC"	All programmed tracks on the current disc are played.
Multi-CD player Repeat "ITS:MCD"	All programmed tracks on the discs in the multi-CD player magazine are played back. • If there are no programmed tracks on the current disc, ITS advances to the next disc.
All Repeat "ITS:ALL"	The programmed tracks on all the discs in the magazines of all the installed multi-CD are played back. • If there are no programmed tracks on the current disc (or multi-CD player), ITS advances to the next disc (or multi-CD player).

Erasing ITS Programs

ITS programs for up to 100 discs are stored permanently until you erase them.

■ Erase a track program

1. **Select the track you wish to erase, during ITS playback.**
2. **Select the ITS Programming mode (ITS) in the Detailed Setting Menu.**
3. **Erase the track program.**

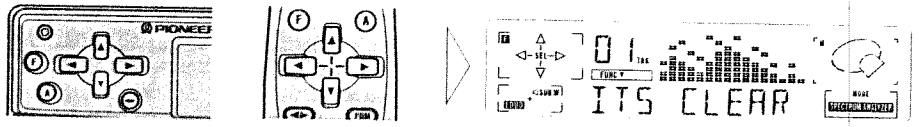


ITS is canceled and playback of the next ITS-programmed track begins. If there are no more programmed tracks in the current range, "ITS CLEAR" is displayed and normal playback resumes.

To cancel the Detailed Setting Menu, press the BAND button.

■ Erase a disc program

1. **Select the disc you wish to erase, while the disc is playing.**
2. **Select the ITS Programming mode (ITS) in the Detailed Setting Menu.**
3. **Erase the disc program.**

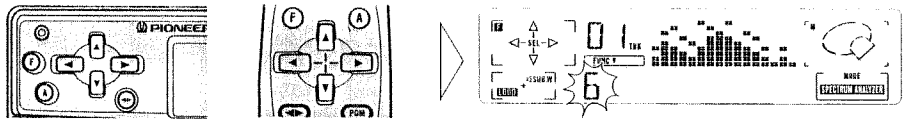


To cancel the Detailed Setting Menu, press the BAND button.

Disc Title Input

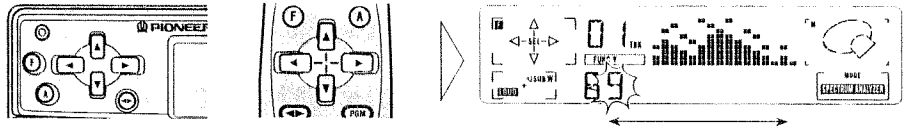
You can input Titles up to 10 characters long for up to 100 discs. Using this function lets you easily search for and select a desired disc for play. (You can store ITS program and Disc Title data for up to 100 discs in memory. With a 50-Disc type multi-CD player, you can also store Music Group data.)

1. **Play the disc you wish to input the disc title.**
2. **Select the Disc Title Input mode (TITLE IN) in the Detailed Setting Menu.**
3. **Select a letter, number or symbol.**

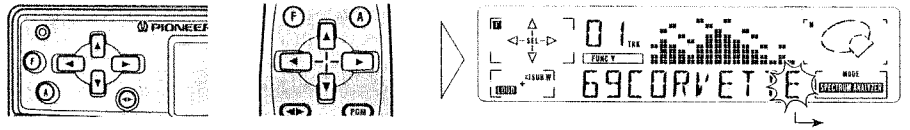


To insert a space, select the flashing cursor.

4. **Reverse or advance box by box.**



5. **When the title is completed, store it in memory to make the flashing cursor fade out.**



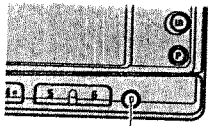
To cancel the Detailed Setting Menu, press the BAND button.

Note:

- Titles remain in memory, even after the disc has been removed from the magazine, and are recalled when the disc is reinserted.
- After the titles for 100 discs have been entered, data for a new disc will overwrite the data for the disc that has not been played back for the longest time.

■ Displaying Disc Titles

- **Select the Disc Title display.**



Each press changes the Display ...

Each press of the DISPLAY button changes the display in the following order:

Playback mode (Elapsed play time) → Disc Title → Music Group*

* Music Group display is a 50-Disc type multi-CD player function. You cannot switch to this display with 6-Disc and 12-Disc type multi-CD players. (Refer to page 39.)

Note:

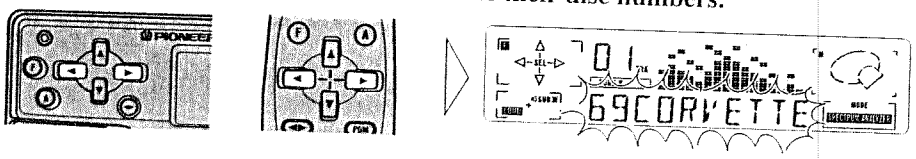
- During normal playback in the playback mode display, the elapsed play time is displayed.
- When playing a disc that does not have a title, if you switch to Disc Title display, "NO TITLE" flashes for 8 seconds, and then the display goes blank.

■ Selecting Discs by Disc Title List

Follow the procedures below to play a disc for which you have input the title in a multi-CD player:

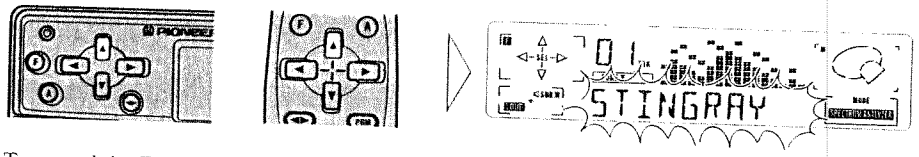
1. **Select the Disc Title List mode (TITLE LIST) in the Function Menu.**

2. **Each time you press the ◄ or ► button, titles in the current disc magazine are displayed in the order of their disc numbers.**



Nothing is displayed for disc whose titles have not been input.

3. **Select the desired disc for playback by pressing ▲ button when its title is displayed.**



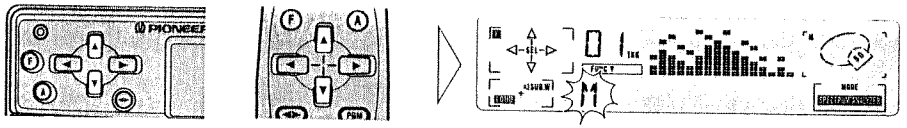
To cancel the Function Menu, press the BAND button.

■ Selecting Discs Using "ABC" Disc Title Search (for 50-Disc type only)

You can search for and select a disc by searching for the first letter of the desired disc's Disc Title.

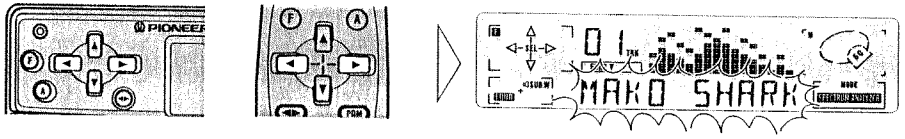
1. **Select the "ABC" Disc Title Search mode (ABC SEARCH) in the Function Menu.**

2. **Select the desired first letter.**



3. **Select the desired disc title.**

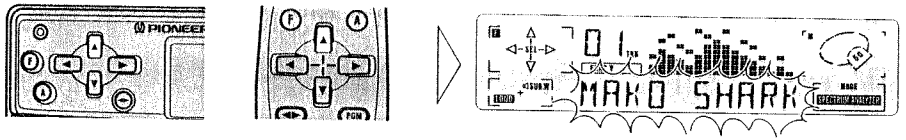
Each time you press the button, titles with the selected first letter are displayed in the order of their disc numbers.



Note:

- When there are no disc titles starting with the letter you selected, "NO TITLE" flashes in the display.
- Press the ▼ button to return to selection of the first letter.

4. **Select the desired disc for playback by pressing ▲ button when its title is displayed.**



To cancel the Function Menu, press the BAND button.

Music Group Play (for 50-Disc type only)

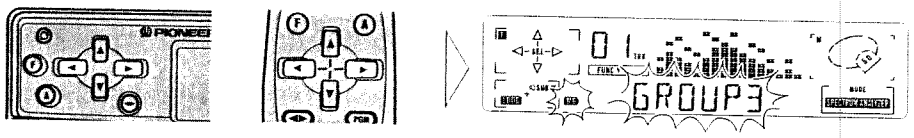
The Music Group Play function classifies discs loaded in a 50-Disc type multi-CD player into 10 groups, and plays only discs from the same group. Up to 100 discs can be classified into groups. (Music Group, ITS program and Disc Title data for up to 100 discs can be stored in memory.)

Note:

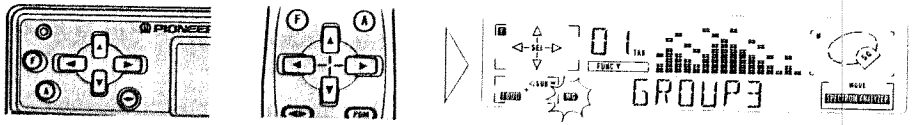
- Music Group types are as follows:
  ROCK 1, ROCK 2, POP, JAZZ, INSTRMNT, CLASSIC, GROUP 1, GROUP 2, GROUP 3, GROUP 4

■ Classifying a disc into a group

1. **Play the disc you want to classify into a group.**
2. **Select the Music Group Input mode (MG IN) in the Detailed Setting Menu.**
3. **Select the desired group.**



4. **Register the disc in the selected group.**



To cancel the Detailed Setting Menu, press the BAND button.

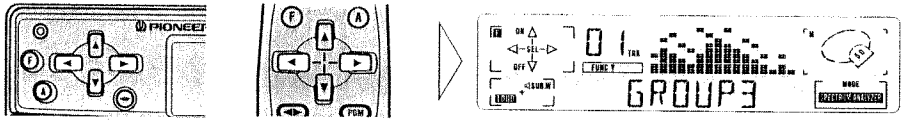
Note:

- Even if you remove a disc from a magazine after you have registered it in a group, its assigned group is stored in memory. This means that when you reinsert the disc in the magazine, there's no need to reassign it to the group.
- After assigning 100 discs to groups, data input for a new disc overwrites data for the disc that has been played least recently.

■ Music Group Playback

Only discs in the same group are played.

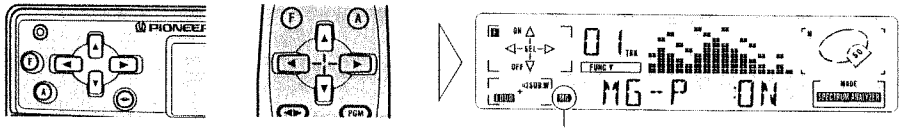
1. **Select the Music Group Playback mode (MG-P) in the Function Menu.**
2. **Select the desired Music Group.**



Note:

- At first, the group of the disc playing is displayed. If the disc playing does not belong to a group, "NO GROUP" is displayed.

3. **Switch music group playback ON or OFF.**



"MG"

To cancel the Function Menu, press the BAND button.

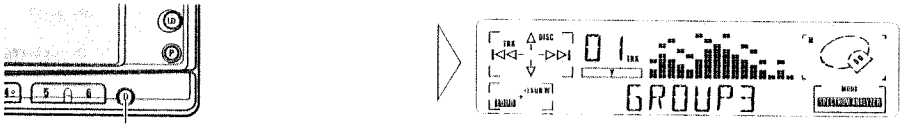
Note:

- If there are no discs registered in the selected group, "MG EMPTY" is displayed.

■ Displaying Music Group

You can display the Music Group of the disc playing.

- **Select the Music Group display.**



Each press
changes the Display ...

Each press of the DISPLAY button changes the display in the following order:

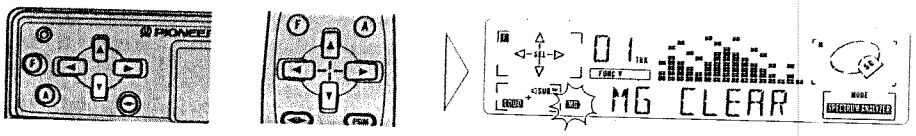
Playback mode (Elapsed play time) → Disc Title → Music Group

Note:

- During normal playback in the playback mode display, the elapsed play time is displayed.
- When playing a disc that doesn't belong to a group, if you select Music Group display, "NO GROUP" flashes for 8 seconds, and then the display goes blank.

■ Deleting a disc from a music group

1. **Play the disc you want to delete from a group.**
2. **Select the Music Group Input mode (MG IN) in the Detailed Setting Menu.**
3. **Delete the disc from the group.**



To cancel the Detailed Setting Menu, press the BAND button.

Note:

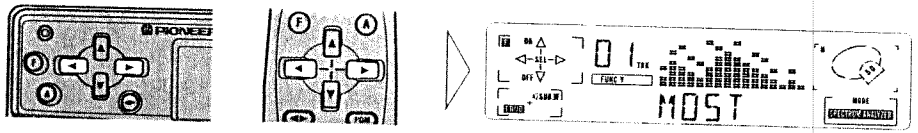
- During music group playback, if you have deleted the disc currently playing from the group, the next disc in the group is played. If all discs in the same group have been deleted, "NO GROUP" is displayed.

Frequency Play (for 50-Disc type only)

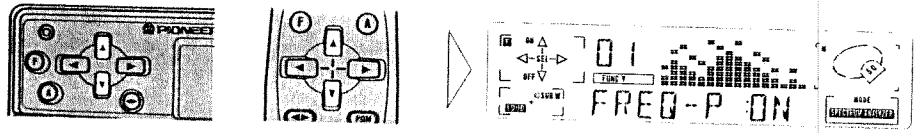
The Frequency Play Function plays discs in order, from the most frequently played disc to the least frequently played disc, or vice versa.

1. **Select the Frequency Playback mode (FREQ-P) in the Function Menu.**
2. **Select the desired play order.**

For play of discs in order starting with the most frequently played disc, select "MOST". For play of discs in order starting with the least frequently played disc, select "LEAST".



3. **Switch Frequency playback ON or OFF.**



To cancel the Function Menu, press the BAND button.

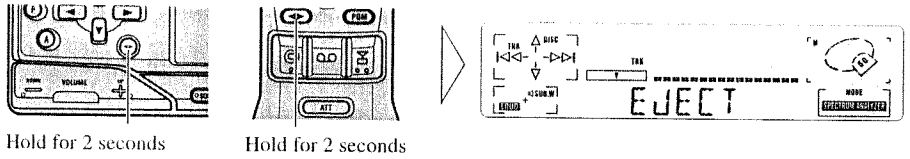
Note:

- During Frequency Playback, pressing the ▲ or ▼ button changes to the previous or next disc in the frequency order.

Ejecting a Single Disc (for 50-Disc type only)

This function lets you eject discs one at a time from a 50-Disc multi-CD player .

1. **Play the disc you want to eject.**
2. **Move the disc to the extra tray.**



Hold for 2 seconds Hold for 2 seconds

3. **Remove the disc from the extra tray.**

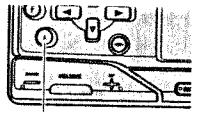
(Refer to the 50-Disc type multi-CD player's owner's manual.)

Note:

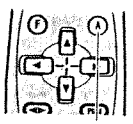
- This function does not operate if a disc is already loaded in the extra tray.

Entering the Audio Menu

- **Select the mode you want to adjust in the /Audio Menu.**



Each press changes the Mode ...



Each press changes the Mode ...

Each press of the AUDIO button selects the mode in the following order:
FAD → BAS* → MID* → TRE* → LOUD → SUB.W** → (80HZ 0)** → (ASL)* → FIE → PEAKBOUND → SLA

* You cannot select the "BAS", "MID" and "TRE" modes when a Hide-away DSP "DEQ-P800" is connected to this product.
You can select the "ASL" mode only when a Hide-away DSP "DEQ-P800" is connected to this product.

** You cannot select the "SUB.W" and "80HZ 0" modes when a DSP (except the Hide-away DSP) is connected to this product.

To cancel the Audio Menu, press the BAND button.

Note:

- You can select the "80HZ 0" mode only when sub-woofer output is switched ON in the SUB.W mode.
- After entering the Audio Menu, if you do not perform an operation which 30 seconds, the Audio Menu is automatically canceled.

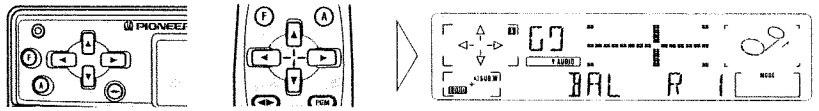
Balance Adjustment

This function allows you to select a Fader/Balance setting that provides ideal listening conditions in all occupied seats.

1. **Select the Fader/Balance mode (FAD) in the Audio Menu.**
2. **Shift the balance progressively to the front or rear speakers.**

"FAD F15" – "FAD R15" is displayed as it moves from front to rear.
("FAD F9" – "FAD R9" is displayed as it moves from front to rear when a Hide-away DSP "DEQ-P800" is connected to this product.)

3. **Shift the balance to the left or right speaker, respectively.**



"BAL L9" – "BAL R9" is displayed as it moves from left to right.

To cancel the Audio Menu, press the BAND button.

Note:

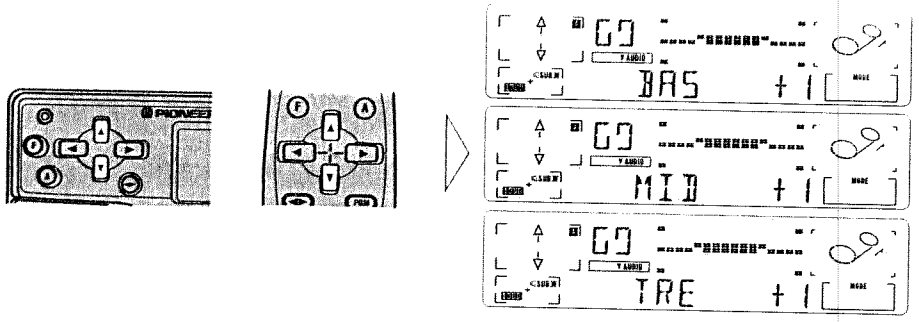
- "FAD 0" is the proper setting when 2 speakers are in use.
- You cannot shift the balance progressively to the front or rear speakers when a DSP (except the Hide-away DSP) is connected to this product.

ENGLISH

Bass/Middle/Treble Adjustment

This product is equipped with three tone adjustment modes, the Bass (BAS), Middle (MID) and Treble (TRE) modes. It is possible to select a different tone adjustment setting for each source. The CD player (one disc only) and multi-CD player(s) are set to the same tone adjustment setting automatically.

1. **Select bass mode (BAS), middle mode (MID) or treble mode (TRE) in the Audio Menu.**
2. **Increase or decrease the intensity of the Bass, Middle or Treble, whichever is selected.**



The display shows "BAS +4" – "BAS –8" when you adjust the Bass.
The display shows "MID +6" – "MID –6" when you adjust the Middle.
The display shows "TRE +6" – "TRE –6" when you adjust the Treble.

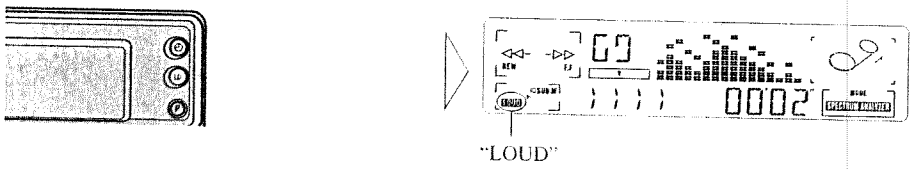
3. **Repeat steps 1–2 above for the other Bass or Treble Adjustment.**

To cancel the Audio Menu, press the BAND button.

Loudness Adjustment

The Loudness function compensates for deficiencies in the low and high sound ranges at low volume.

- **Switch the Loudness function ON or OFF.**



Note:
- You can also switch the Loudness function ON/OFF in the Audio Menu.

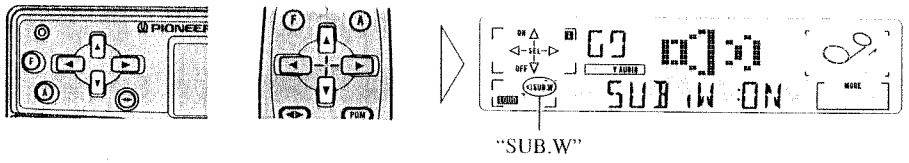
Using a Sub-woofer

■ Sub-woofer Output

This product is equipped with a sub-woofer output which can be switched ON or OFF. Initially sub-woofer output is ON.

The Sub-woofer output phase can be switched between normal, or 0° ("PHASE :NOR"), and reverse, or 180° ("PHASE :REV"). 0° is the default phase.

1. **Select the sub-woofer ON/OFF mode (SUB.W) in the Audio Menu.**
2. **Switch the sub-woofer output ON or OFF.**



Note:
- When the sub-woofer output is OFF, you cannot change the phase of sub-woofer output.

3. **Change the phase of sub-woofer output.**

To cancel the Audio Menu, press the BAND button.

Note:
- Select the OFF setting when you do not want the sub-woofer to operate.

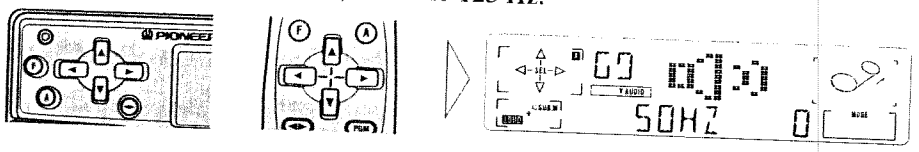
■ Sub-woofer Setting Adjustment

When the sub-woofer output is ON, you can adjust the cut-off frequency and the output level of sub-woofer.

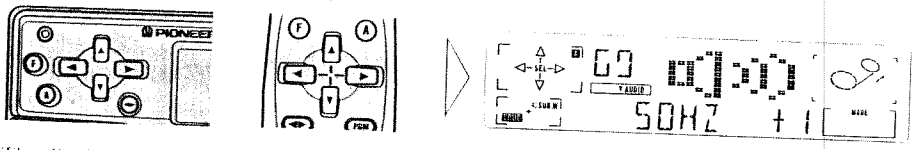
1. **Select the sub-woofer setting mode (80HZ 0) in the Audio Menu.**

ENGLISH

2. **Select the frequency to 50 Hz, 80 Hz or 125 Hz.**



3. **Increase or decrease the output level.**



The display shows "+6" – "–6".

To cancel the Audio Menu, press the BAND button.

Note:

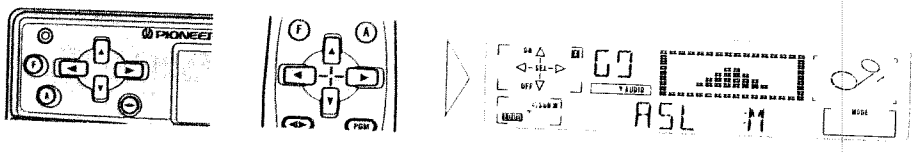
- You can select the sub-woofer setting mode only when sub-woofer output is switched ON in the sub-woofer ON/OFF mode.

Automatic Sound Levelizer (ASL) (for Hide-away DSP only)

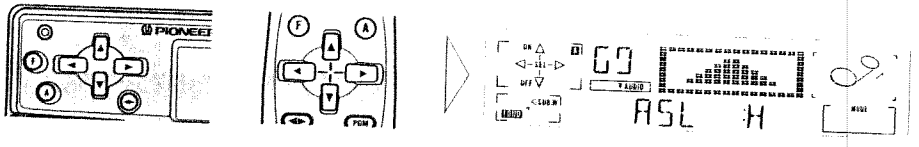
During driving, noise in the car changes according to the driving speed and road conditions. The automatic sound levelizer (ASL) monitors such varying noise and automatically increases the sound volume, if this noise becomes greater. The sensitivity (variation of sound volume to noise level) of ASL can be set to one of three levels.

1. **Select the ASL mode (ASL) in the Audio Menu.**

2. **Switch the ASL ON or OFF.**



3. **Select the desired level.**



To cancel the Audio Menu, press the BAND button.

Using the F.I.E. Function

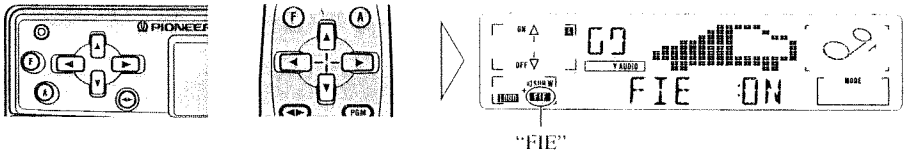
The F.I.E. (Front Image Enhancer) function is a simple method of enhancing front imaging by cutting mid- and high-range frequency output from the rear speakers, limiting their output to low-range frequencies.

Precaution:

- When the F.I.E. function is deactivated, the rear speakers output sound on all frequencies, not only bass sounds. Reduce the volume before disengaging F.I.E. to prevent a sudden increase in volume.

1. **Select the F.I.E. mode (FIE) in the Audio Menu.**

2. **Switch the F.I.E. function ON or OFF.**



"FIE"

To cancel the Audio Menu, press the BAND button.

Note:

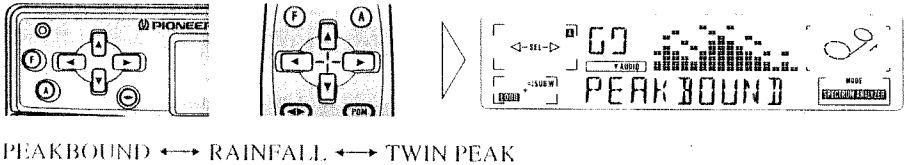
- After switching the F.I.E. function ON, adjust the front and rear speakers volumes selecting the FAD mode in the Audio Menu for better balanced listening.
- Set F.I.E. function OFF when using 2 speaker system.

Selecting the Display Pattern

This product's display patterns are Spectrum Analyzer Displays which change patterns depending on the style of music.

1. **Select the Display Pattern mode (PEAKBOUND) in the Audio Menu.**

2. **Select the desired display pattern in the following order:**



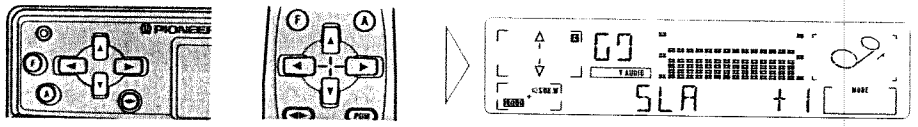
PEAKBOUND ⟷ RAINFALL ⟷ TWIN PEAK

To cancel the Audio Menu, press the BAND button.

Source Level Adjustment (SLA)

The SLA function prevents radical leaps in volume when switching between sources. Settings are based on the FM volume, which remains unchanged. (Since the FM volume is the control, SLA is not possible in the FM modes.)
The AM, cassette, CD and AUX levels can all be adjusted. The CD player (one disc only) or multi-CD player(s) are set to the same level automatically.

1. **Compare the FM volume with the volume of the other source. (ex. Cassette player.)**
2. **Select the SLA mode (SLA) in the Audio Menu.**
3. **Increase or decrease the level.**

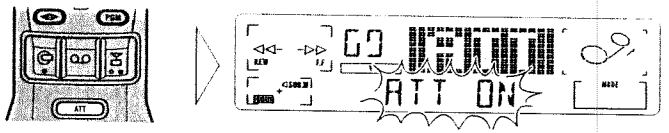


The display shows "+4" – "–4".
To cancel the Audio Menu, press the BAND button.

Volume Attenuator

The attenuator reduces the volume instantly.

- **Cut the volume by about 90%.**



Repeat the preceding operation to return to previous volume.
If the (+) or (–) button is used to cancel the Attenuator mode, the sound will resume at a lower volume than before.

Note:
- You cannot cancel the Attenuator mode by pressing the (+) or (–) button, when a Hide-away DSP "DEQ-P800" is connected to this product.

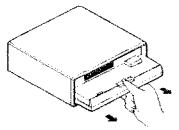
Theft Protection

The front panel of the main body is detachable to discourage theft.

■ Detaching the front panel

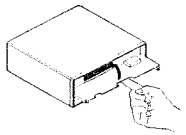
1. **Open the front panel.**

2. **Grip the corrugated release section and pull the front panel gently outward.**

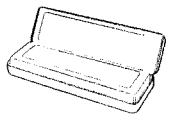


Take care not to grip it tightly or drop it.

3. **Close the inner cover.**

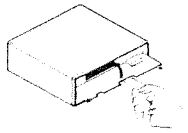


4. **Use the protective case provided to store/carry the detached front panel.**

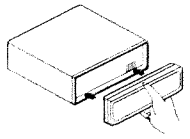


■ Replacing the Front Panel

1. **Make sure the inner cover is closed.**



2. **Replace the front panel by clipping it into place.**



Precaution:

- Never use force or grip the display tightly when removing or replacing the front panel.
- Avoid subjecting the front panel to excessive shocks.
- Keep the front panel out of direct sunlight and high temperatures.

■ Warning Tone

If the front panel is not detached within 5 seconds after the ignition is turned off, a warning tone will sound.

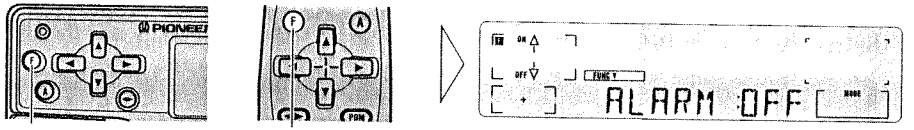
Note:

- You can cancel the warning tone function. (See page 54.)

Entering the Initial Setting Menu

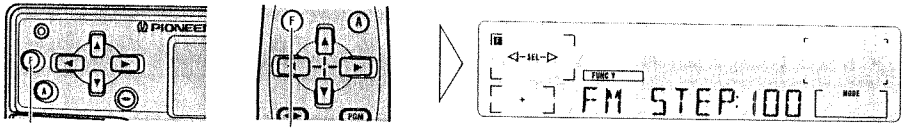
With this menu, you can perform initial settings for the product.

1. **Switch the sources OFF.**
2. **Enter the Initial Setting Menu with the sources off.**



Hold for 2 seconds — Hold for 2 seconds

3. **Select the desired mode.**



Each press changes the Mode ... — Each press changes the Mode ...

Each press of the FUNCTION button selects the mode in the following order:

ALARM → FM STEP → AM STEP → WARN → AUX → DIMMER

To cancel the Initial Setting Menu, press the BAND button.

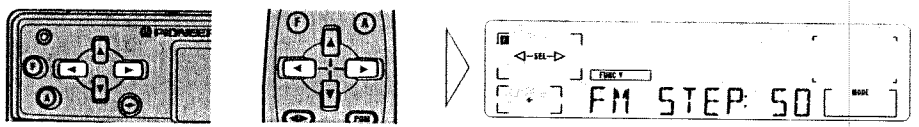
Note:

- ALARM is a new feature of the "Detachable Face Security". Refer to "DFS Alarm Function" for details and instructions on how to use this function.
- Holding down the FUNCTION button for 2 seconds also cancels the Initial Setting Menu.

Changing the FM Tuning Step

The tuning step employed by Seek Tuning in the FM mode can be switched between 100 kHz (preset at the factory) and 50 kHz.

1. **Select the FM tuning step mode (FM STEP) in the Initial Setting Menu.**
2. **Select the desired tuning step.**



To cancel the Initial Setting Menu, press the BAND button.

Note:

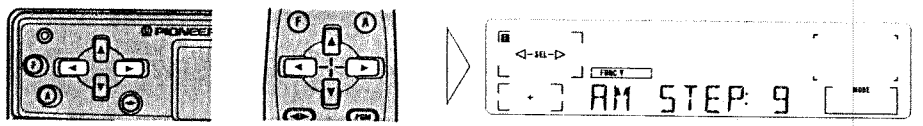
- If Seek Tuning is performed in 50 kHz steps, stations may be tuned in inprecisely. Tune in the stations with Manual Tuning or use Seek Tuning again.

Changing the AM Tuning Step

The tuning step employed in the tuner's AM band can be switched between 9 kHz and 10 kHz per step. Reset the tuning step from 9 kHz (the factory prset step) to 10 kHz when using the tuner in North, Central or South America.

Specifications	Initial Setting	New Setting
Tuning Steps	9 kHz	10 kHz
Frequency range	531 – 1,602 kHz	530 – 1,710 kHz

1. **Select the AM tuning step mode (AM STEP) in the Initial Setting Menu.**
2. **Select the desired tuning step.**

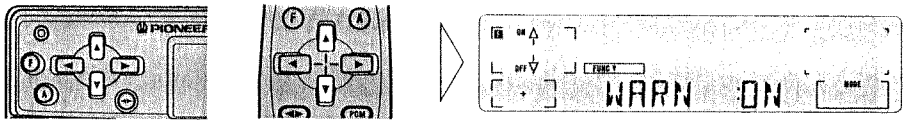


To cancel the Initial Setting Menu, press the BAND button.

Setting the Warning Tone

You can switch the Warning Tone function ON/OFF. (Refer to "Warning Tone" on page 51.)

1. **Select the Warning Tone mode (WARN) in the Initial Setting Menu.**
2. **Switch the Warning Tone ON or OFF.**



To cancel the Initial Setting Menu, press the BAND button.

Switching the AUX Mode

It is possible to use auxiliary (AUX) equipment with this product.
Activate the AUX mode when using external equipment with this product.

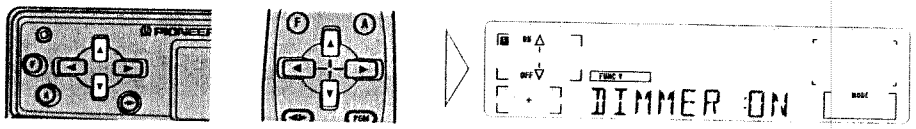
1. **Select the AUX Setting mode (AUX) in the Initial Setting Menu.**
2. **Switch the AUX mode ON or OFF.**

To cancel the Initial Setting Menu, press the BAND button.

Setting the Dimmer

To enable this product's display from being too bright at night, when the vehicle's head lights are turned ON the display is dimmed. You can switch this function ON/OFF.

1. **Select the Dimmer mode (DIMMER) in the Initial Setting Menu.**
2. **Switch the Dimmer ON or OFF.**



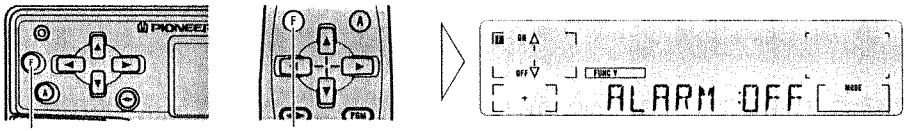
To cancel the Initial Setting Menu, press the BAND button.

In addition to the Detachable Face Security of this product, Pioneer has incorporated a new feature **"Detachable Face Security Alarm"**. This feature is designed to protect your new Pioneer car stereo as well as your vehicle contents.

Activating the DFS Alarm Feature

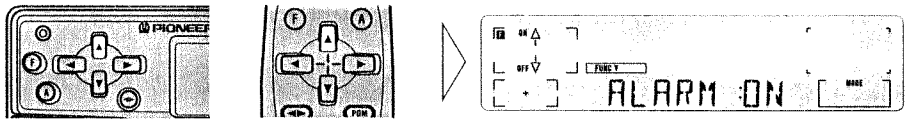
Pioneer has developed a menu display that allows you to set-up your DFS Alarm to meet your personal needs. By scrolling through this menu it is possible to select your own "Entry Delay Time", "Speaker Output Volume", "Selectable Output", "Door System Type", "Ignition Key Disarm" and "Remote Disarm".
Initially from the factory the DFS Alarm feature is not activated.

1. **Select the DFS Alarm Feature ON/OFF mode (ALARM) with the sources OFF.**



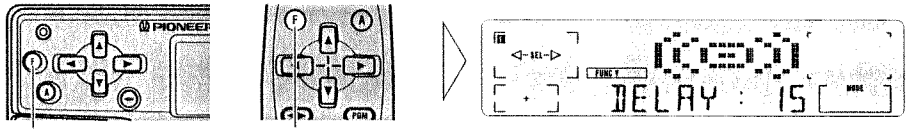
Hold for 2 seconds Hold for 2 seconds

2. **Activate the DFS Alarm Feature.**



Press the ▼ button to deactivate the DFS Alarm Feature.

3. **Enter the DFS Alarm Setting Menu.**



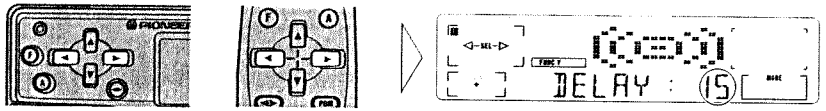
Hold for 2 seconds Hold for 2 seconds

DFS Alarm Function

Setting Entry Delay Time

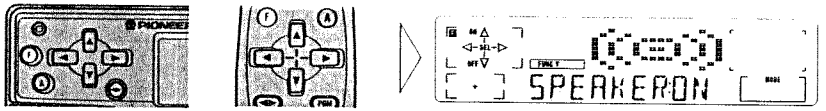
Initially the "Entry Delay Time" is set to 15 seconds. The "Entry Delay Time" can be adjusted to be 0, 5, 15, 30, 45 or 60 seconds.

1. **Decrease or increase the "Entry Delay Time".**



Display shows 0, 5, 15, 30, 45 or 60.

2. **Advance to next selection.**



Activating Internal Speaker ON/ OFF

This feature allows you to select whether or not the speaker output is sounded when the "DFS Alarm" is triggered. Initially from the factory the speaker output is activated. Toggling between ▲, ▼ buttons allows you to deactivate or activate the "Internal Speaker". If you switch the speaker output OFF, you can not change the "TEST MODE".

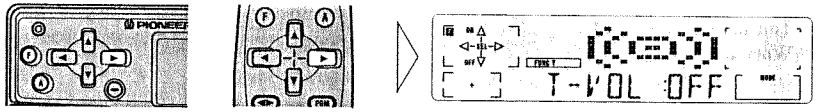
■ Speaker Volume Output Adjustment

If the "Internal Speaker Output" has been selected then it is possible to adjust the volume of the speaker output for when the Alarm is triggered. To adjust the volume you must engage the "TEST MODE".

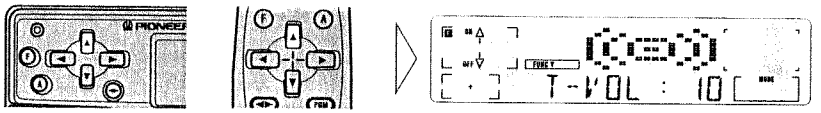
Note:

- If the "Internal Speaker Output" is turned OFF, then this menu will not appear.

1. **Engage the "TEST MODE".**

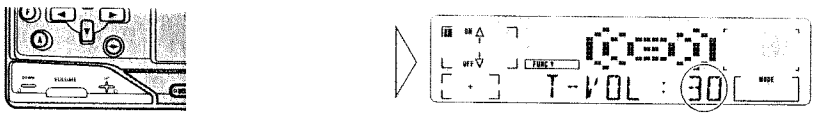


2. **Activate the "TEST MODE".**



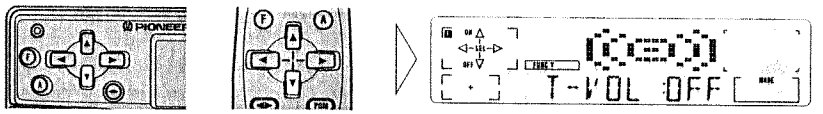
In this mode the speakers will sound.

3. **Decrease or increase the volume.**

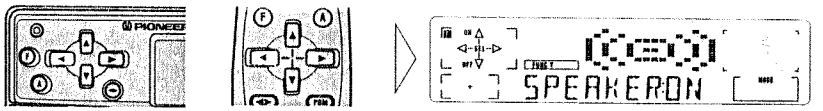


Display shows 10 – 30.

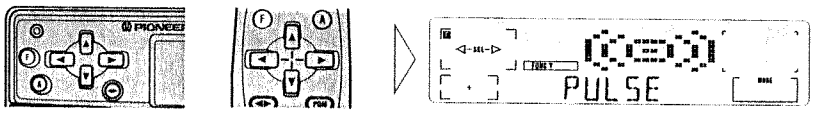
4. **After selecting your preferred volume setting, deactivate the "TEST MODE".**



5. **Cancel the "TEST MODE".**



6. **Advance to next selection.**

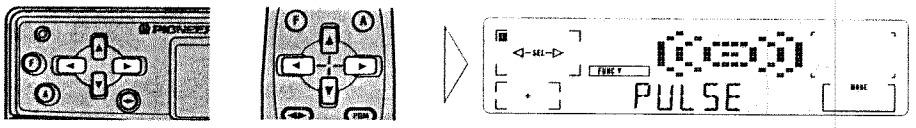


ENGLISH

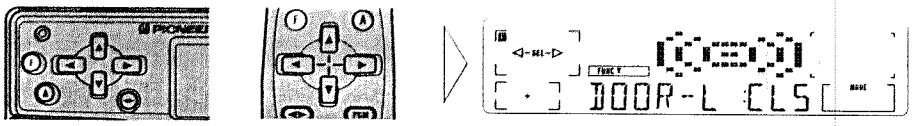
Setting the Selectable Output (Pulse/Constant)

This mode enables you to select a "Constant" output or "Pulsed" output. When connecting a Siren the "Constant" output should be selected. When connecting the horn or lights the "Pulsed" output should be selected.

1. **Select your desired output type.**



2. **Advance to next selection.**



Selecting Door Switching Systems

It is necessary to select the correct "Door System Type" (Negative or Positive switching) for that of your vehicle. Initially, the system is set for vehicles with the grounding type (Negative switching).
Select the correct "Door system type" of your vehicle from below.

■ **Vehicles to select "DOOR-L :CLS"**

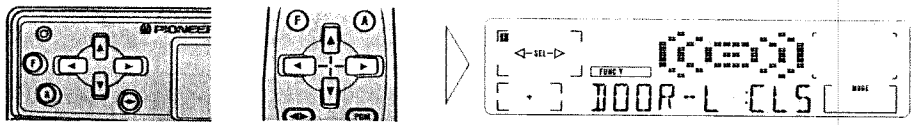
GM, CHRYSLER, JAPANESE, EUROPEAN

■ **Vehicles to select "DOOR-H :CLS"**

FORD, JAGUAR, MERCEDES*, etc.

* Some Models Only.

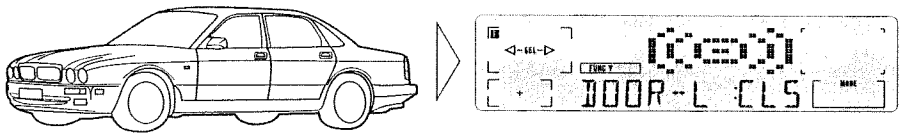
- **Select "DOOR-L :CLS" or "DOOR-H :CLS" for the correct door system type.**



■ **Door System Confirmation**

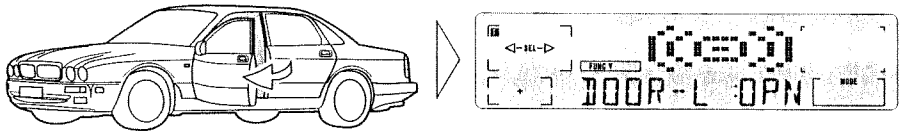
The door system confirmation feature was incorporated to ensure that the correct door system type has been selected. (eg. Set to "DOOR-L :CLS" for GM vehicles.)

1. **First, close all the doors. If the correct door system type has been selected then the Display will show "DOOR-L :CLS".**

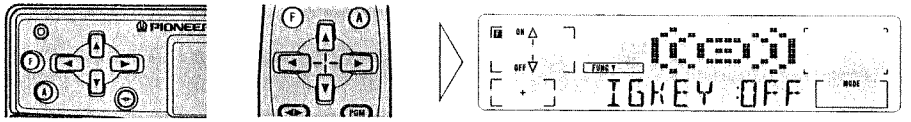


If not, select the alternative door system type by pressing the ◄ or ► button. Lastly, confirm each door triggers the Alarm by opening and closing each door.

2. **As the door is opened the display should change accordingly ("DOOR-L :CLS" – "DOOR-L :OPN").**



3. **Advance to next selection.**



Ignition Key Disarm

You can disarm "DFS Alarm" with the ignition key if you have forgotten the Detachable face panel.
The method for disarming "DFS Alarm" with the ignition key differs depending on whether this function is switched ON or OFF.

■ If this function is "ON" or "OFF":

The "DFS Alarm" can be disarmed if the Detach face is reattached within the "Entry Delay Time".

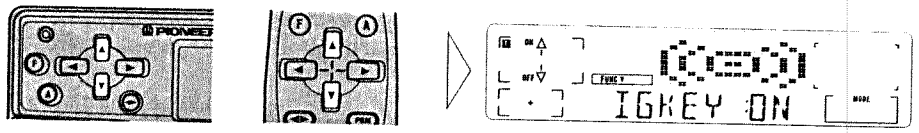
■ If this function is "ON":

The "DFS Alarm" can be disarmed if the ignition key is inserted in the ignition within the "Entry Delay Time", then the key is turned from "OFF" to "ON" 5 times within 1 minute.

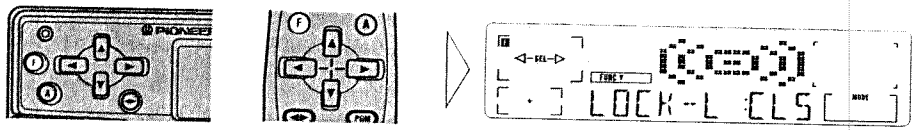
■ If this function is "OFF":

The "DFS Alarm" can be disarmed if the ignition key is inserted in the ignition and turned from "OFF" position to the "ON" within the "Entry Delay Time".

1. **Switch the Ignition Key Disarm ON or OFF.**



2. **Advance to next selection.**



Central Door Lock Systems

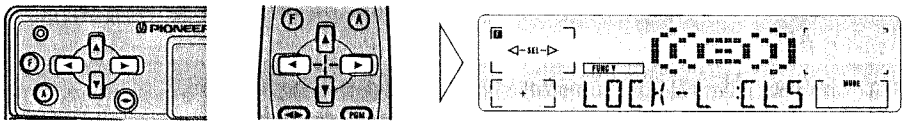
The DFS Alarm can be disarmed by Un-Locking the doors with a remote key-less entry system. If the unit's stand-by state is disarmed, the LED's blinking speed becomes faster. (It can be understood if the "DFS Alarm" has been disarmed by the change in the LED's blinking speed.)

Note:

- If the "DFS Alarm" is disarmed by the key-less entry system, it will remain disarmed. To reset, turn the ignition on reattach the face then turn the ignition to the off position and remove the detachable face.
- If your vehicle is equipped with a central door lock but the glass or shock sensor is not connected, if the window is broken and the central door lock is released, this unit's DFS Alarm will not operate.
- Pioneer recommends that both a shock sensor and glass sensor be installed when you are using the "Remote Disarming" feature.

■ Selecting the Door Lock Type

- **Select the "LOCK-L :CLS" or "LOCK-H :CLS" for the correct door lock type.**



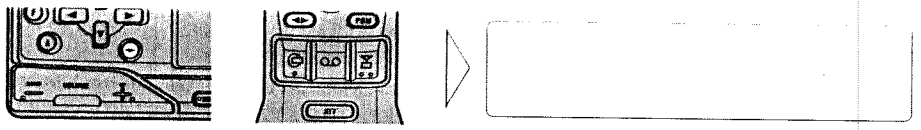
■ Door Lock Confirmation

The door lock confirmation feature was incorporated to ensure that the correct door lock type has been selected. (eg. Set to "LOCK-L :CLS".)

1. **As the doors are unlocked with central door lock system the display should flash "LOCK-L :OPN" accordingly.**

If not, select the alternative door lock type by pressing the ◄ or ► button.

2. Cancel the DFS Alarm Setting Menu.



Setting of the "DFS Alarm" is now complete.

Note:

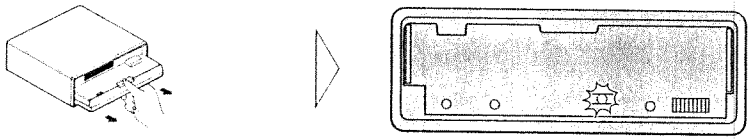
- In the case that the battery is disconnected or the RESET button is pressed, it may be necessary to reprogram the DFS Alarm Menu; otherwise this setting needs to be done only once.
- When the DFS Alarm is armed, you cannot disarm it by pressing the RESET button.

Operation of "DFS Alarm"

Providing the installation and setting of the "DFS Alarm Setting Menu" has been performed correctly, operation of the "DFS Alarm" is very simple.

Arming Alarm

To arm your Alarm simply turn off the ignition and detach the front panel, as described on page 50. After detaching the front panel the "DFS Alarm" will automatically arm itself after 30 seconds, providing all of the doors are closed. If after 30 seconds, a door still remains open the DFS Alarm will not arm until the last door has been closed. After closing all of the doors, ensure that they are securely locked. The LED indicator on the head unit will flash as a visual deterrent. Your vehicle is now protected by your "DFS Alarm".



Disarming Alarm

Upon entering your vehicle, and within the "Entry Delay Time" set within the "DFS Alarm Menu", attach your Pioneer Detachable Face as described on page 51.

■ If you have forgotten the Detachable Face Panel:

If the "Ignition Key Disarm" is "ON", insert the ignition key in the ignition within the "Entry Delay Time", then turn the key from "OFF" to "ON" 5 times within 1 minute.
If the "Ignition Key Disarm" is "OFF", insert the ignition key in the ignition and turn the key from "OFF" to "ON" within the "Entry Delay Time".

Entry Detection

If the "DFS Alarm" was not disarmed in accordance with "Disarming Alarm", the "DFS Alarm" will be triggered. The "DFS Alarm" will sound for 60 seconds and will repeat 5 times if any door is left open or reopened. After the fifth time the "DFS Alarm" will reset to prevent continuous sounding and prevent your battery from discharging.

Precaution:

- Upon returning to your vehicle and before opening any doors, check to see if the LED indicator is still flashing. If the LED is no longer flashing, it indicates that the Alarm as sounded. Disarming, as described above, is still necessary.

This product can control a Hide-away DSP "DEQ-P800".
Make sure the remote controller switch is in the H/A DSP position. (See page 6.)

Digital Signal Processor (DSP)

■ DSP Function

The DSP function provides reproduction of real sound fields and corrects the acoustic characteristics in the vehicle so that an ideal listening environments can be created. The DSP consists of the SFC (Sound Field Control) function, the digital equalizer function, and the listening position selector function.

The DSP uses these functions simultaneously to obtain rich sound fields and superb acoustic characteristics.

■ Sound Field Control (SFC)

Sound varies according to the size and shape of listening locations. For example in concert halls, the length and quality of the direct sound, initial reflection and reverberation vary highly.

The SFC function, reproduces 5 typical sound fields such as a Concert Hall or a Stadium. Therefore, you can listen to your music, as if you where in one of these places.

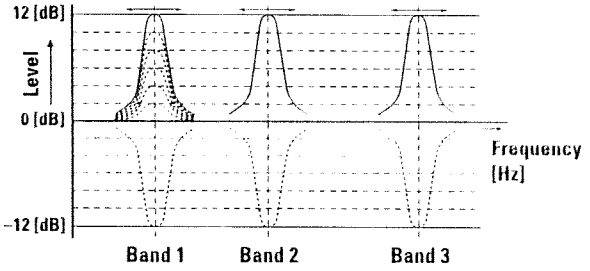
In addition, "Audition", a sing-along feature, is also included.

■ Digital Equalizer

Parametric Equalizer

In the vehicle, irregular sound reflection is caused by its size, shape and material. As a result, peak (emphasis) and dip (attenuation) will be produced in the frequency characteristics of the sound from the speakers.

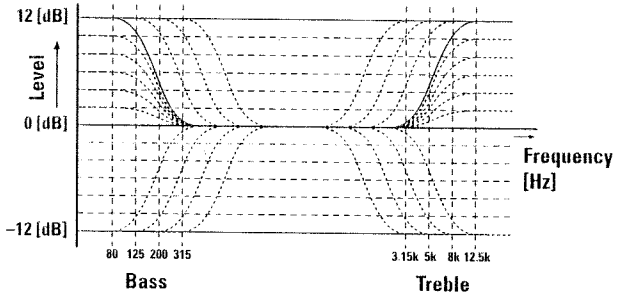
The Parametric Equalizer can correct this phenomenon. This allows the acoustic characteristics in the vehicle to be corrected. 3 variable frequencies from 16 frequency points can be selected to adjust the front and rear speakers separately.



Parametric Bass/Treble

When 4 speakers are used in the car audio system, adjusting sound quality for the 4 speakers all at once is not always an effective way. The Parametric Bass/Treble function controls the front and rear speakers separately.

The system can adjust the mid and high ranges for the front speakers and the low range for the rear speakers. As a result, clear vocal sound can be localized to the front position.



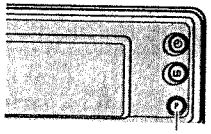
■ Listening Position Selector (POSI)

The Listening Position Selector function allows you to adjust the delay time and level of the sound from respective speakers according to the seating positions and the number of passengers by simply pressing a button.

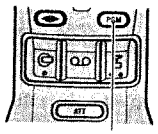
Using this function with the SFC function produces natural listening positions. You can feel a rich sound field as if music wraps around your body.

Entering the DSP Menu

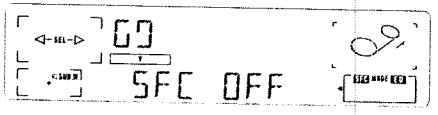
- **Select the mode you want to adjust in the DSP Menu.**



Each press changes the Mode ...

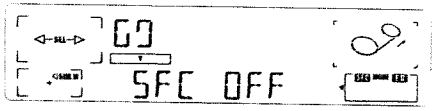


Each press changes the Mode ...



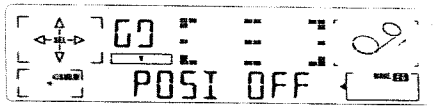
Each press of the PGM/DSP button selects the mode in the following order:
SFC mode (SFC OFF) → Parametric Equalizer mode (ROCK 0) → Parametric Bass/Treble mode (F 0 125) → Listening Position Selector mode (POSI OFF)

SFC Mode



Parametric Equalizer Mode

Listening Position Selector Mode



Parametric Bass/Treble Mode

To cancel the DSP Menu, press the BAND button.

Note:

- After entering the DSP Menu, if you do not perform an operation within 30 seconds, the DSP Menu is automatically canceled.

Sound Field Control (SFC) Function

The sound field program stored in a Hide-away DSP "DEQ-P800" can be easily called. There are two ways to recall sound field program.

Button	Sound Field Program	Display
Button 1	Studio	STUDIO
Button 2	Club	CLUB
Button 3	Jazz club	JAZZCLUB
Button 4	Concert Hall	CONCERT
Button 5	Stadium	STADIUM
Button 6	Audition	AUDITION

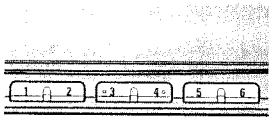
Note:

- When Tuner is the selected source, you cannot call the AUDITION sound field (button 6).

■ Direct Recall

1. **Select the SFC mode (SFC OFF) in the DSP Menu.**
2. **Select the desired sound field program. (eg. Press button 1.)**

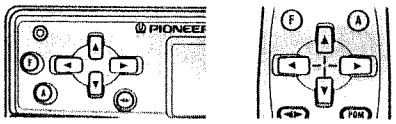
To cancel the sound field program, press the button again.



To cancel the DSP Menu, press the BAND button.

■ Sequential Recall

1. **Select the SFC mode (SFC OFF) in the DSP Menu.**
2. **Select the desired sound field program in the following order:**



SFC OFF ⟷ STUDIO ⟷ CLUB ⟷ JAZZCLUB ⟷ CONCERT ⟷ STADIUM ⟷ AUDITION

To cancel the DSP Menu, press the BAND button.

■ About Sound Field Programs

STUDIO (button 1)

Localizes the sound image to the axial sensitivity and does not add reverberation sound. Reproduces basic sound field by processing initial reflection sound from the walls of a relatively small mixing room.

CLUB (button 2)

Reproduces music performed in clubs for 50 people. Suitable for reproducing a sound field with facilitated absorption of reverberation and enjoying music with powerful beat.

JAZZCLUB (button 3)

Reproduces music performed in jazz clubs for audiences of 50 to 100 people. Highly effective for sound sources such as recorded gigs. Provides real reproduction of reflection from the walls and reverberation.

CONCERT (button 4)

Reproduces music performed in classic-music concert halls for audiences of 1,000 to 2,000 people. Wide and deep sound can be enjoyed through reflection and reverberation.

STADIUM (button 5)

Reproduces music performed in outdoor stadiums. Reflection from far walls produces echo sound. The system utilizes this effect to reproduce a dynamic sound field.

AUDITION (button 6)

The audition effect can be obtained by DSP. Reproduces a sound field as if you are singing in a place in front of 15 to 20 people.

Note:

- The audition function only works during tape or CD playback.
- The audition function works with tunes recorded in stereo mode. (This function does not work with tunes recorded in monaural mode.)
- With some tunes, the voice of singer remains even though they are recorded in stereo mode. If the voice was recorded with echo, the echo will remain and the voice of singer may be heard with delayed timing.
- The audition function does not work with multiplex karaoke CDs.

Parametric Equalizer Function

Default equalizer curve (Factory curves) and user-defined equalizer curve (User curves) can be easily called.
There are two ways to recall parametric equalizer curve.

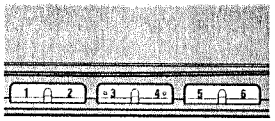
Note:

- User curves can be selected only by direct recall.

Button	Equalizer Curve	Display
Button 1	Rock	ROCK
Button 2	Pops	POPS
Button 3	Jazz	JAZZ
Button 4	Vocal	VOCAL
Button 5	Soft	SOFT
Button 6	Flat	FLAT
Button 1–6 (Hold for 2 seconds)	User 1–6	USER 1–6

■ Direct Recall

1. **Select the Parametric Equalizer mode (ROCK 0) in the DSP Menu.**
2. **Select the desired equalizer curve. (eg. Press button 1.)**



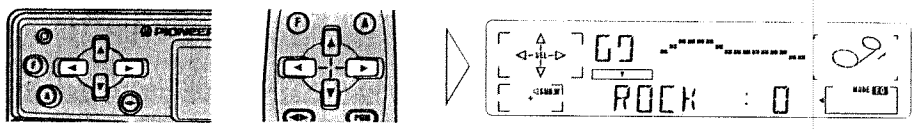
Note:

- To select user 1–6 curves, press one of buttons 1–6 for 2 seconds. So you can select your desired curves after storing them. ("Storing the Equalizer Curve" on page 76.)
- When the user curves are selected, setting of its bass/treble will also be selected. The user curves can be stored with adjusted level of bass/treble.

To cancel the DSP Menu, press the BAND button.

■ Sequential Recall (Factory curves only)

1. **Select the Parametric Equalizer mode (ROCK 0) in the DSP Menu.**
2. **Select the desired equalizer curve in the following order:**



ROCK ⟷ POPS ⟷ JAZZ ⟷ VOCAL ⟷ SOFT ⟷ FLAT

To cancel the DSP Menu, press the BAND button.

■ About Equalizer Curves

ROCK (button 1)

Focuses on the rhythm section of rock music so that powerful sound can be reproduced with supplemented low and high ranges.

POPS (button 2)

Particularly emphasizes the mid range so that light pops sound can be enjoyed.

JAZZ (button 3)

Compared with ROCK mode, emphasizes the low and high ranges more intensively so that wide-range feeling can be obtained. Suitable to enjoy jazz music in a relaxed environment.

VOCAL (button 4)

Emphasizes the portion of the voice band and minimizes the low range to increase articulation. Use this mode to emphasize vocal signals or when listening to conversation.

SOFT (button 5)

Controls stimulating treble and increases soft bass to produce music easy to listen to.

FLAT (button 6)

No supplement or correction is made to the sound. A useful function to check the effect of the equalizer curves by switching alternatively between FLAT and a set equalizer curve.

USER 1–6 (buttons 1–6)

User curves can be stored as adjusted equalizer curves.
Adjustment can be made by either using Nuance Control Equalizer (N.C.E.) or 3-Band Parametric Equalizer Adjustment.

Note:
- When the equalizer curve is stored, setting of its bass/treble will also be stored.

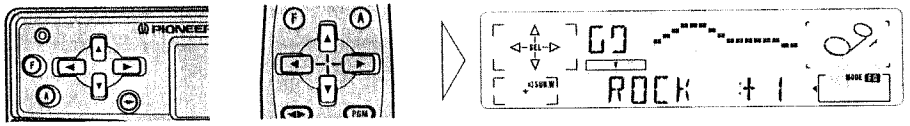
Adjusting the Equalizer Curves

The 6 factory curves can be adjusted (fine adjustment).
Adjustment can be made by either using Nuance Control Equalizer (N.C.E.) or 3-Band Parametric Equalizer Adjustment.

■ Nuance Control Equalizer (N.C.E.)

The factory curves can be adjusted at fine levels (nuance control).

1. **Select the Parametric Equalizer mode (ROCK 0) in the DSP Menu.**
2. **Recall the equalizer curve you want to adjust. (See page 70.)**
3. **Adjust the equalizer curve.**



Display shows "+6" – "–6".

Note:
- The adjusted equalizer curve will be reset, if another equalizer curve is selected.

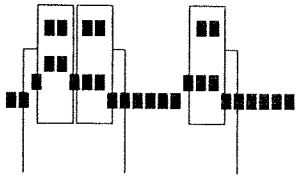
4. **To store the adjusted equalizer curve, select the Parametric Bass/Treble mode (F 0 125) in the DSP Menu. (See page 75.)**

You can store the adjusted equalizer curve only when you select the Parametric Bass/Treble mode. Because the adjusted equalizer curve can be stored with the adjusted level of bass/treble.

Note:
- You can cancel the DSP Menu by pressing the BAND button when you don't store the adjusted equalizer curve.

■ About 3-Band Parametric Equalizer

The front and rear speakers can be separately adjusted by selecting the desired 3 frequency bands from 16 frequencies.

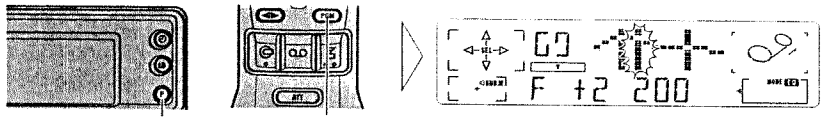


BAND 1 20–200 [Hz] | BAND 2 80–8 k [Hz] | BAND 3 200–20 k [Hz]

Frequency point:
20 Hz to 20 kHz (A total of 16 frequency points at intervals of 2/3 octave.)
Level adjustment range:
–12 dB to +12 dB (2 dB/step)

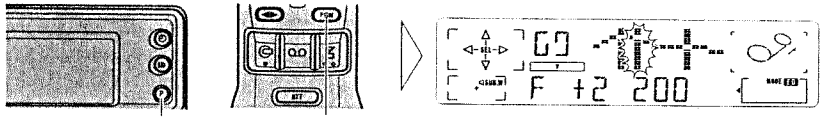
■ 3-Band Parametric Equalizer Adjustment

1. **Select the Parametric Equalizer mode (ROCK 0) in the DSP Menu.**
2. **Recall the equalizer curve you want to adjust. (See page 70.)**
3. **Change the 3-band parametric equalizer adjustment mode (F +2 200) in Parametric Equalizer mode.**



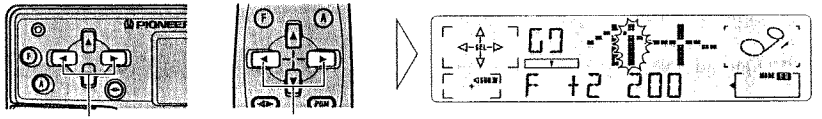
Hold for 2 seconds Hold for 2 seconds

4. **Select the Front or Rear.**



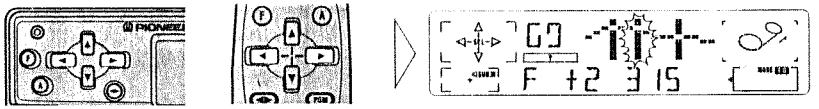
Hold for 2 seconds Hold for 2 seconds

5. **To select the band to be adjusted, hold down the ◄ or ► button for 2 seconds or longer.**



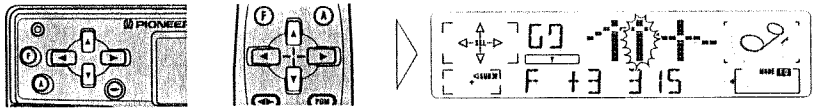
Hold for 2 seconds Hold for 2 seconds

6. **Select the frequency point to be adjusted.**



- 2 bands cannot be set to frequencies that are next to each other, such as 80 Hz and 125 Hz.

7. **Adjust the level.**



8. **Repeat steps 5–7 above for the other band adjustments.**
9. **Repeat steps 4–8 above for the other Front or Rear adjustment.**

Note:
- The adjusted equalizer curve will be reset, if another equalizer curve is selected.

10. **To store the adjusted equalizer curve, select the Parametric Bass/Treble mode (F 0 125) in the DSP Menu. (See page 75.)**

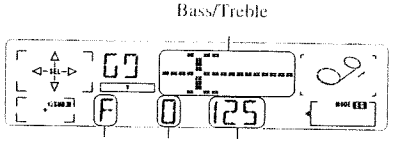
You can store the adjusted equalizer curve only when you select the Parametric Bass/Treble mode. Because the adjusted equalizer curve can be stored with the adjusted level of bass/treble.

Note:
- You can cancel the DSP Menu by pressing the BAND button when you don't store the adjusted equalizer curve.

ENGLISH

Parametric Bass/Treble Function

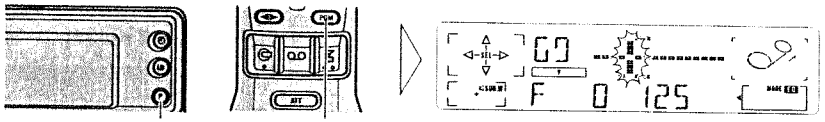
With the Parametric Bass/Treble function, the frequency that is used as a point for level adjustment of bass/treble can be selected from 4 frequencies according to your preference. In addition, the front and rear speakers can be adjusted separately.



Bass:
80 Hz, 125 Hz, 200 Hz, 315 Hz
Treble:
3.2 kHz, 5 kHz, 8 kHz, 12.5 kHz
Level adjustment range:
−12 dB to +12 dB (2 dB/step)

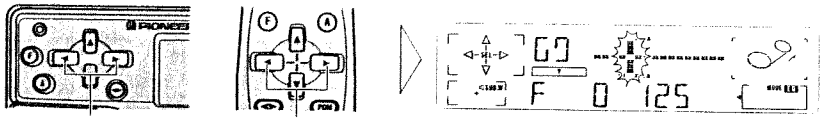
■ Adjusting Parametric Bass/Treble

1. **Select the Parametric Bass/Treble mode (F 0 125) in the DSP Menu.**
2. **Select the Front or Rear.**



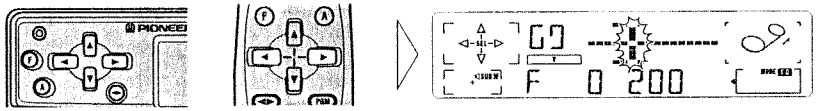
Hold for 2 seconds Hold for 2 seconds

3. **To select the Bass or Treble, hold down the ◄ or ► button for 2 seconds or longer.**

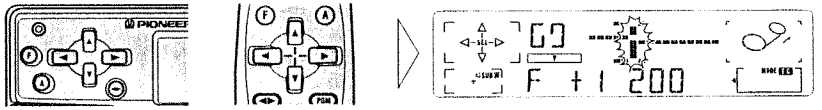


Hold for 2 seconds Hold for 2 seconds

4. **Select the frequency point to be adjusted.**



5. **Adjust the level.**



Display shows "+6" – "–6".

6. **Repeat steps 3–5 above for the other Bass or Treble adjustment.**
7. **Repeat steps 2–6 above for the other Front or Rear adjustment.**
8. **Store the adjusted equalizer curve, including the adjusted bass/treble. (See the following section.)**

To cancel the DSP Menu, press the BAND button.

Note:
- The adjusted level of bass/treble will be reset, if another equalizer curve is selected.

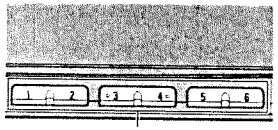
Storing the Equalizer Curve

The adjusted equalizer curves can be stored with adjusted level of bass/treble.

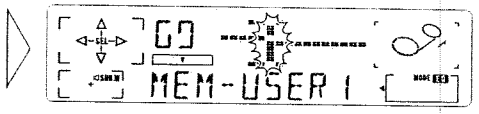
1. **Select the Parametric Bass/Treble mode (F 0 125) in the DSP Menu.**

Before selecting this mode, adjust the equalizer curve and bass/treble. (See the preceding sections.)

2. **Press one of buttons 1–6 for 2 seconds or more to store the equalizer curve. (eg. Press button 1.)**



Hold for 2 seconds



To cancel the DSP Menu, press the BAND button.

Note:
- To select stored equalizer curve, see the section "Parametric Equalizer Function".

Listening Position Selector (POSI) Function

The system sets the listening position according to the positions of the passengers.

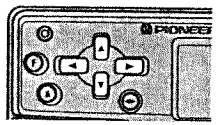
Button	Position
▲	Front seat
▼	Front and Rear seat
◄	Driver's seat (steering located on the LEFT side)
►	Driver's seat (steering located on the RIGHT side)

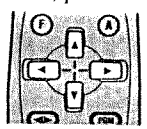
■ Setting the Listening Position

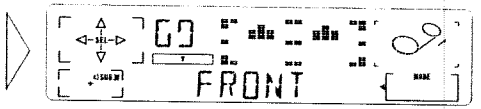
1. **Select the Listening Position Selector mode (POSI OFF) in the DSP Menu.**

2. **Press one of buttons ▲/▼/◄/► to select the desired Position. (eg.Press button ▲.)**

To cancel the listening position, press the button again.





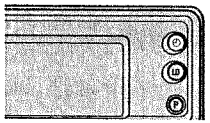


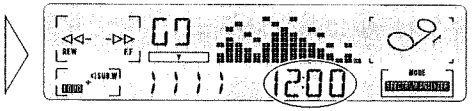
To cancel the DSP Menu, press the BAND button.

Time Display/Setting

■ Displaying the time

- **To turn the time display ON with the Source ON.**

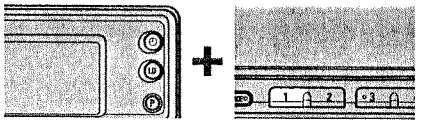


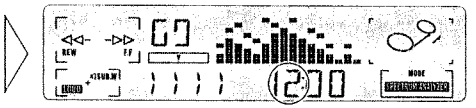


The time display disappears temporarily when you perform another operation, but the time indication returns to the display after 25 seconds.

■ Setting the Hours

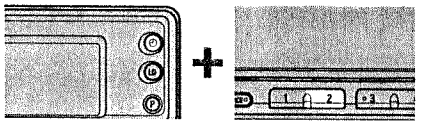
- **While holding down the CLOCK button, press button 1 to set the hour.**

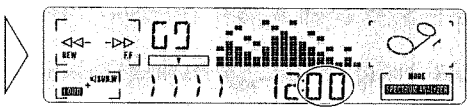




■ Setting the Minutes

- **While holding down the CLOCK button, press button 2 to set the minute.**



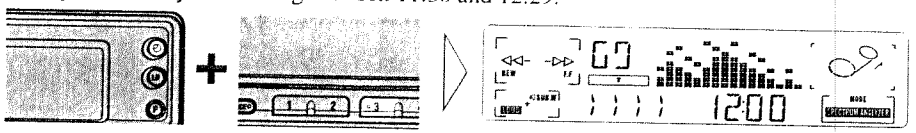


When you release the CLOCK button, the second count begins from 00 seconds.

■ Synchronizing with the time announcement

- **While holding down the CLOCK button, press button 3 to reset the minute and second indications to zero.**

Example: When synchronizing between 11:30 and 12:29.



Note:
- The hour and minute can be advanced by pressing the respective buttons either consecutively or continuously.

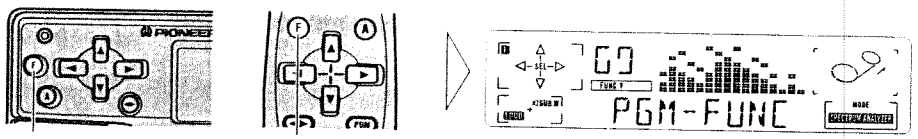
Using the PGM/DSP Button

The PGM/DSP button can memorize one of the functions in the Function Menu.
It is possible to memorize a different function for each source.

Note:
- When the Hide-away DSP "DEQ-P800" is connected to this product, this function does not work.

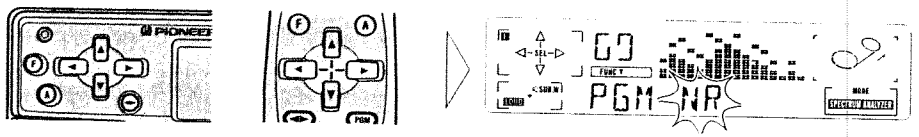
■ Setting the PGM/DSP Button

1. **Select the PGM/DSP button setting mode.**

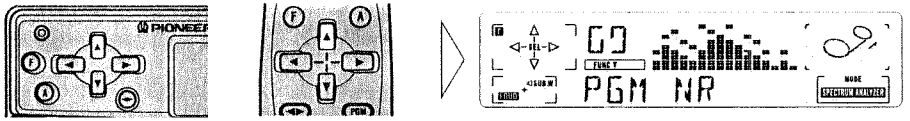


Hold for 2 seconds Hold for 2 seconds

2. **Select the function you want to memorize in the PGM/DSP button.**



3. **Memorize the function in the PGM/DSP button.**

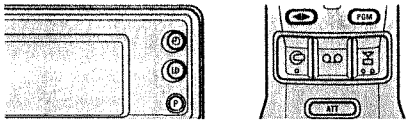


To cancel the PGM/DSP button setting mode, press the BAND button.

■ Using the PGM/DSP Button

The PGM/DSP button operates in a different way depending on the function programmed (memorized).

- **Use the PGM/DSP button.**



Tuner

Function	Press	Hold for 2 seconds
BSM	——	ON/OFF
LOCAL	ON/OFF	——

Tape

Function	Press	Hold for 2 seconds
NR	ON/OFF	——
B-SKIP	ON/OFF	——
REPEAT	ON/OFF	——
RI/CDI	ON/OFF	——

CD Player (one disc only)

Function	Press	Hold for 2 seconds
PAUSE	ON/OFF	——
REPEAT	ON/OFF	——
RANDOM	ON/OFF	——

Multi-CD Player

Function	Press	Hold for 2 seconds
PAUSE	ON/OFF	——
REPEAT	Selecting the mode	——
RANDOM	ON/OFF	——
LIST	Enter the LIST mode	——
ITS	ITS Programming	ON/OFF

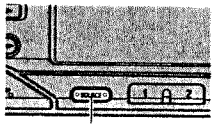
ENGLISH

Using the AUX Mode

It is possible to use auxiliary (AUX) equipment with this product.
Activate the AUX mode when using external equipment with this product.

■ Selecting the AUX mode

- **Select AUX.**

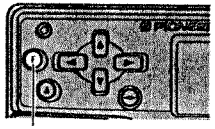


Each press
changes the Source ...

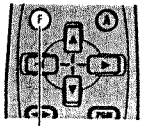
■ AUX Title Input

The display title for AUX mode can be changed.

1. Select the Aux Title Input mode in Detailed Setting Menu.



Hold for 2 seconds



Hold for 2 seconds

2. Input the Aux Title.

Refer to "Disc Title Input" on page 36, and perform procedures 3 to 5 in the same way.

Cellular Telephone Muting

Sound from this system is muted automatically when a call is made or received using a cellular telephone connected to this product.

- The sound is turned off, "MUTE" is displayed and no audio adjustment except volume control is possible. Operation returns to normal when the phone connection is ended.

General

Power source ..... 14.4 V DC (10.8 – 15.1 V allowable)
Grounding system ..... Negative type
Max. current consumption ..... 10 A
Dimensions
(DIN) (chassis) ..... 178 (W) × 50 (H) × 150 (D) mm
(nose) ..... 188 (W) × 58 (H) × 18 (D) mm
(D) (chassis) ..... 178 (W) × 50 (H) × 155 (D) mm
(nose) ..... 170 (W) × 48 (H) × 13 (D) mm
Weight ..... 1.5 kg

Amplifier

Continuous power output is 20 W per channel min. into 4 ohms, both channels driven 50 to 15,000 Hz with no more than 5% THD.
Maximum power output ..... 40 W × 4
Load impedance ..... 4 Ω (4 – 8 Ω allowable)
Preout output level/output impedance ..... 500 mV/1 kΩ
Sub-woofer output
Crossover frequency ..... 50 Hz, 80 Hz, 125 Hz
Crossover slope ..... –18 dB/oct
Tone controls
(Bass) ..... +8 – –16 dB (80 Hz)
(Middle) ..... ±12 dB (400 Hz)
(Treble) ..... ±12 dB (10 kHz)
Loudness contour ..... +10 dB (100 Hz), +7 dB (10 kHz) (volume: –30 dB)

Cassette player

Tape ..... Compact cassette tape (C-30 – C-90)
Tape speed ..... 4.8 cm/sec.
Fast forward/rewinding time .... Approx. 100 sec. for C-60
Wow & flutter ..... 0.09% (WRMS)
Frequency response ..... Metal: 30 – 19,000 Hz (±3 dB)
Stereo separation ..... 45 dB
Signal-to-noise ratio
..... Metal: Dolby C NR IN: 73 dB (IEC-A network)
Dolby B NR IN: 67 dB (IEC-A network)
Dolby NR OUT: 61 dB (IEC-A network)

FM tuner

Frequency range ..... 87.5 – 108 MHz
Usable sensitivity
..... 11 dBf (1.0 µV/75 Ω, mono, S/N: 30 dB)
50 dB quieting sensitivity .... 16 dBf (1.7 µV/75 Ω, mono)
Signal-to-noise ratio ..... 70 dB (IEC-A network)
Distortion ..... 0.3% (at 65 dBf, 1 kHz, stereo)
Frequency response ..... 30 – 15,000 Hz (±3 dB)
Stereo separation ..... 40 dB (at 65 dBf, 1 kHz)

AM tuner

Frequency range ..... 531 – 1,602 kHz (9 kHz)
530 – 1,710 kHz (10 kHz)
Usable sensitivity ..... 18 µV (25 dB) (S/N: 20 dB)
Selectivity ..... 50 dB (±9 kHz)
50 dB (±10 kHz)

Note:

- Specifications and the design are subject to possible modification without notice due to improvements.